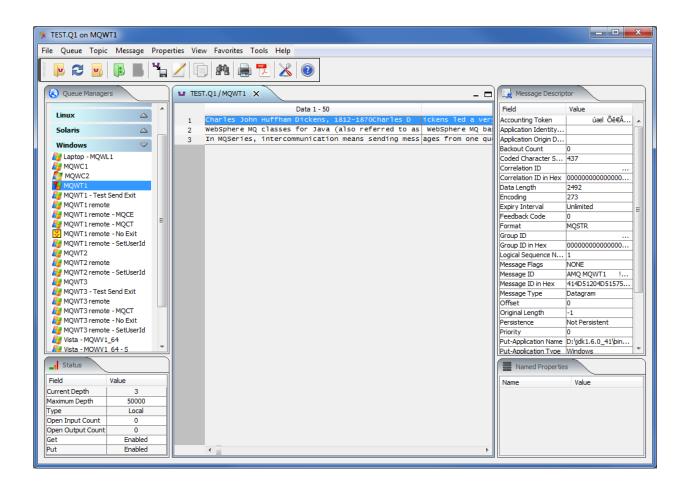
# MQ Visual Browse User's Guide





Capitalware Inc. Unit 11, 1673 Richmond Street, PMB524 London, Ontario, Canada N6G 2N3 sales@capitalware.com https://www.capitalware.com

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## **1** Introduction

## 1.1 Overview

*MQ Visual Browse* (MQVB) application allows users to view 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 Browse is a great tool for application programmers, JMS developers, quality assurance testers, and production support personnel who do NOT need message editing capabilities. The tool allows for quick problem solving because the data is presented in a very logical and insightful manner.

MQ Visual Browse 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 Browse 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 Browse 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 Browse 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 Browse 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 Browse

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

## 2.1 Installation

#### 2.1.1 Windows Installation

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

- Run the install program called: mqvb3-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 Browse*.
- To run MQ Visual Browse, select the MQ Visual Browse icon from within the MQ Visual Browse folder.

#### 2.1.2 Linux Installation

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

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

```
chmod +x mqvb3-setup-linux.bin
```

• Next, run the installer with the following command:

```
./mqvb3-setup-linux.bin
```

- The installer will prompt the user for the installation directory. The default value will be 'Capitalware/MQVB3/'.
- To run MQ Visual Browse, go to the installation directory and issue the following command:

./mqvb

## 2.1.3 macOS Installation

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

- Double click the *MQ\_Visual\_Browse\_V3.dmg* file to open it
- Follow the instructions on the opened DMG window and drag the MQ Visual Browse icon to the Applications folder.
- Close the DMG window and then eject the DMG
- To run MQ Visual Browse, go to the Application folder and double click on *MQ Visual Browse*

#### 2.1.4 Raspberry Pi Installation

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

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

## unzip mqvb-RaspberryPi.tar.zip tar -xvf mqvb-RaspberryPi.tar

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

./mqvb

## 2.2 Registration

This section will describe how to obtain a license and then register your copy of MQ Visual Browse. To purchase a copy of MQ Visual Browse (obtain a license), go to Capitalware's web site (www.capitalware.com) and select MQ Visual Browse, 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 Browse will attempt the register the user's license key by contacting the 'capitalware.com' server.

## Note: Do not register MQ Visual Browse 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 Browse can access the internet. Select **File** then **Preferences**:

Preferences		x
General	General Start the tools in a separate JVM. Settings Directory: C:\Users\@@@mwkCapitalware Browse	
Main Window	Networking Properties for Internet Connectivity  Enable Proxy Server	
Edit Window	Proxy Host Proxy Port 80	
MQ General		
MQ Queue		
MQ Topic		

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 Browse, select File then Register:

Registration	×
<b>?</b> 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 Registrati	ion:
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 Em	nail
Access Code:	📥 Add
Days remaining in subscription:	
	dear X Preferences 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
	V Cancel

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

Registration			×
<b>Registratio</b>	n:		
Your Access Code will	be emailed to you		
Name:	Partycenticitationalitie		
Email Address:			
UserId:	(Elasion)		
Hostname:			
Canonical Hostname:	denil@to		
License Key			
License Key:			
Register a New Licens	e Key:		Yes
Online Registration			
Request Access Code	via Online Registration:		Submit
Register via Web Brow	vser		$\sim$
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 🛛 🔀 Prefer	ences 🛛 🖓 Close

Note: A license key can ONLY be registered once.

## 2.3 Connectivity Issues

This section will describe how to handle registering MQ Visual Browse 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

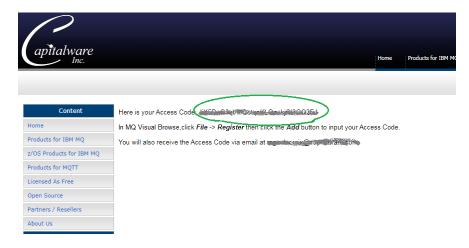
Click the Web Browser button to launch the default web browser on your PC/laptop.

Registration			X
<b>Registratio</b>	n:		
Your Access Code wil	be emailed to you		
Name:	Responsibilitie		
Email Address:	The second s		
UserId:	(Physics		
Hostname:			
Canonical Hostname:	4mj89to		
License Key			
License Key:			
Register a New Licens	To Koju		Yes
Register a New Licens	eney.		
Online Registration -			
Request Access Code	via Online Registration:		🛛 👂 Submit
Register via Web Bro	wser		
Request Access Code			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
			Close

MQ Visual Browse 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		×
<sub> Registratio</sub>	n:	
Your Access Code wil	be emailed to you	
Name:	Rentycentional collitor	
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 🔀 Clear	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 Browse 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			X
Registration	on:		
Your Access Code w	il be emailed to you		
Name:	Partycentintecettin		
Email Address:			
UserId:	(Chapters		
Hostname:			
Canonical Hostname	. 400010930		
License Key			
License Key:			
Register a New Licer	ise Key:		Yes
Online Registration			
Request Access Cod	e via Online Registration:		📕 Submit
Register via Web Bro	wser		
Request Access Cod	e via Web Browser:		Web Browser
Register via email —			
Request Access Cod	e via email:		Email
Add Access Code fro	m Web Browser or Email		
Access Code:			📥 Add
Days remaining in su	bscription:		
		Clear 🔀	Preferences Close

MQ Visual Browse 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'.

Write: Request Access Code for MQ Visual Edit - Thunderbird	- 0 - X
Ele Edit View Josent Format Options Tools Help	
4 Send 🗛 Speling 🗸 🖨 Security 🗸 🖸 Save 🗸	🛛 Attach 🗸
From: Magin Astancian and Programment and Astances	~
To: support@capitalware.com	
Subject: Request Access Code for MQ Visual Edit	
Body Text ▼ Variable Width ▼ ➡ A ~ A A A A ⊟ 는 표 표 표	
Attn. Capitalware Support,	
Name: fulligationalia	
Name: Second Sec	
License Key: meters and the second	
Userfd: datagine	
Hostoame: www.wow. Canonical Hostname: www.wow.	
Original License Key: International Contemport	
Original Access Code: Original Days Remaining: 0	
	1

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					×
🕜 Regis	tratio	on:			
Your Acces	is Code wi	l be emailed to you			
Name:		Regentations			
Email Addr	ess:		Þ.		
UserId:		(Chanjan)			
Hostname		(())))))))			
Canonical	lostname	4000000			
License Ke	v ———				
License Ke					
Register a	New Licen	se Key:			Yes 🖌
Online Reg	istration -				
Request A	ccess Cod	e via Online Registration:			👂 Submit
Register v	a Web Bro	wser			
Request A	ccess Cod	e via Web Browser:			Web Browser
Register v	a email —				
Request A	ccess Cod	e via email:			Email
Add Acces	s Code fro	m Web Browser or Email			
Access Co	de:				Add
Days rema	ining in sui	bscription:			
			Cle	ar 💦 Kreferen	ces 🛛 🖓 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 Browse for a new/replacement PC/laptop after you have previously registered your MQ Visual Browse 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 Browse Access Code*' from '*support@capitalware.com*' that they received when they originally registered MQ Visual Browse. It will contain their Access Code.

- First, the user needs install MQ Visual Browse (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 Browse
  - 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

Registration				x
<b>Registrat</b>	ion:			
	will be emailed to you			
Name:				
Email Address:				
UserId:				
Hostname:				
Canonical Hostna	me: diggener			
License Key				
License Key:				
Register a New Li	ense Key:		Yes	$\supset$
Online Registratio	n			
Request Access C	ode via Online Registration:		🖉 🖉 Submi	it
Register via Web	Browser			
Request Access C	ode via Web Browser:		🛛 😔 Web Browse	er
Register via emai				
Request Access C	ode via email:		Emai	
Add Access Code	from Web Browser or Email			
Access Code:			Add	
Days remaining in	subscription:			
		🧳 Clear	X Preferences S Close	

## 2.5 Yearly Registration Process

MQ Visual Browse 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 Browse, the end-user will need to purchase another license for a 1-year subscription to MQ Visual Browse. This section will describe how to register a *new license* key during or after an existing 1-year subscription to MQ Visual Browse.

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

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

Do the following:

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

Registration			×
Registratio	n:		
Your Access Code will	be emailed to you		
Name:	Anny Million and Anna Anna Anna Anna Anna Anna Anna		
Email Address:			
UserId:	(Banajia)		
Hostname:			
Canonical Hostname:	@http://		
License Key			
License Key:			$\sim$
Register a New Licens	e Key:		Yes
Online Registration —			
Request Access Code	via Online Registration:		🕴 Submit
Register via Web Brov	wser		
Request Access Code	via Web Browser:		Meb 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		
		🔏 Clear 🛛 🔀	Preferences 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
<b>Registratio</b>	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	wser		$\sim$
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	X Preferences Octobe

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 Browse.

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

MQ Visual Browse 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 Browse 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 Browse install directory:
  - On Windows: C:\Capitalware\MQVB3\
  - On macOS: not applicable
  - On Linux: /apps/Capitalware/MQVB3/

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 Browse. 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 Browse, select File then Add Group...:

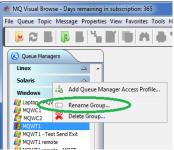
	ease provide a name for this new Group
	ase provide a name for this new oroup

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 Browse.

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 Browse.

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 Browse 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 Connecting to a Queue Manager

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 Browse, 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.

🎄 Queue Man	ager Access Profile - MQWT1	×
General	General Queue Manager Name: MQWT1 Queue Manager Type:	
Remote	Distributed ~	
UserId	Time Zone: (JTC-05:00) America/New_York	
et its	Queue Manager Icon:	
SSL/TLS	IBM. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	** •
AMS Keystore		
	n Save 🖉 Cancel 👂	Test

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

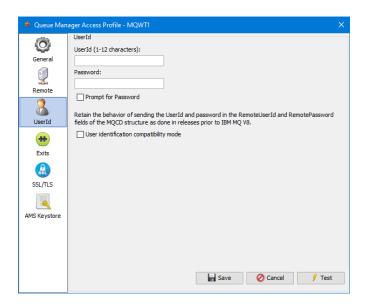
🎄 Queue Mar	nager Access Profile - MQWT1	×
Queue Mar     Constant of the second of	ager Access Profile - MQWT1  Remote Parameters Channel Name: Pr / HostName: Set Defaults	×
	Save 🖉 Cancel 🦸 Test	

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.



Note: A blank or unset UserId means that MQ Visual Browse 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 Browse save it. Click the 'Prompt for Password' checkbox to have MQ Visual Browse 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

🍀 Queue Mar	nager Access Profile - MQWT1	×
Ô	Exits Security Exit	
General	Class Name:	
	Exit Data:	
Remote	Jar File Location:	Browse
UserId	Send Exit	
UserId	Exit Data:	_
++ Exits	Jar File Location:	Browse
<b>B</b>	Receive Exit	
SSL/TLS	Class Name:	_
	Exit Data:	
	Jar File Location:	Browse
AMS Keystore		
	Save 🖉 Cance	el 👂 Test

#### **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 Mar	ager Access Profile - MQWT1	×
General Q	SSL/TLS           SSL Options           CipherSpec Name:           V           Peer Name:           FIPS Required:           No	
UserId	Trusted Certificate Store Store name: Password:	
Exits	Personal Certificate Store Store name:Browse	
SSL/TLS	Password: Certificate Revocation List LDAP Server: LDAP Port:	
	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 Browse 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 Man	nager Access Profile - MQWT1	×
Cueue Man Ceneral Ceneral Remote Ceneral UserId UserId Exits SSL/TLS SSL/TLS AMS Keystore	ager Access Profile - MQW11 IBM MQ Advanced Message Security (AMS) IBM MQ AMS Keystore Configuration File Keystore: Browse	*
	Save O Cancel	ሃ 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 Browse	- Day	ys rem	aining	in sut	oscript
Fi	ile Queue Topic M	essag	e Pro	perties	View	/ Favo
	2	ß	4	¥,		
Í	Queue Managers		_			
	Linux			^		
	Solaris		$\bigtriangleup$			
	Windows		$\bigtriangledown$			
	Laptop - MQWL1     MQWC1     MQWC1 remote     MQWC2     MQWT1     MQWT1 - Test S     MQWT1 remote     MQWT1 remote     MQWT1 remote	- No E	Open	Queu		
	MQWT1 remote	19 A.	· · ·	Topic opics		
	MQWT1 remote	/	Prope	rties		>
	MQWT2 MQWT2 remote MQWT2 remote MQWT2 remote MQWT2 remote	₽₽ → ¥	Renar Move Delete	То 2	>	

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 Man	nager Access Profile - MQWT1 >	
General Q Remote	General Queue Manager Name: MQWT1 Queue Manager Type: Distributed v Time Zone:	
UserId Exits ESL/TLS EAMS Keystore	(UTC-05:00) America/New_York Queue Manager Icon:	
	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**:

🍀 MQ Visual Brow	se - I	Days remaining in subscri
File Queue Topic	Me	ssage Properties View F
🕨 🛪 🖪		▋▋Ĭ'n▇ĬĬ
Queue Manag	ers	
Windows		∼ ▲
Laptop - MQV By MQWC1 MQWC2	VL1	
MQWT1		
MQWT1-Te	N N	Open Queue 🔸 List Queues
MQWT1 rem MQWT1 rem MQWT2	<b>⊫</b> ₩	Open Topic 🔸 List Topics
MQWT2 rem MQWT2 rem	/	Edit
MQWT3	I	Rename
MQWT3 rem	+	Move To 🕨
MQWT3 remo	••	Delete

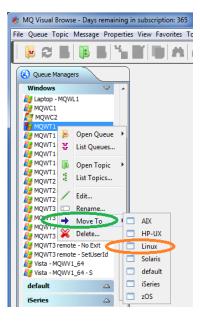
Input a new name for the Queue Manager Access Profile then click the **OK** button.

$\bigcirc$	Please provide a new name for this Queue Manager Access Profile.
•	

## 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.



## 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:

🍇 MQ Visual Browse -	Days remaining in su
File Queue Topic Me	ssage Properties Vi
📔 🎜 📕 🕻	₿ ₿  <sup>™</sup> ₽
Queue Managers	
Windows	~ ^
Aptop - MQWL1 MQWC1 MQWC2	
MQWT1	
MQWT1 - Te 📂	Open Queue 🔸
MQWT1rem	List Queues
MQWT1 rem	Open Topic 🔹 🕨
MQWT2	List Topics
MQWT2 rem	Edit
🛃 моwтз 🗉	Rename
A MQWT3 - Te A MQWT3 - Te	Move To 🕨
MQL 🗂 rem 💥	Delete
MOWT3 remote -1	NOTEXIL

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 Browse will NOT display an importing queue manager on the Import Queue Managers window if it already exists in the MQ Visual Browse.

#### 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 Browse. 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 Browse will display a list of queue managers from the MQ Explorer XML file that can be selected:

Import Qu	eue 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 Browse will display a list of queue managers from the MO71 MQMON.CFG file that can be selected:

Import Q	ueue Managers	×
?	Select the queue managers to be imported. —————	_
	MQWT1	<b>^</b>
	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 Browse V1 or V2

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

Do the following:

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

MQ Visual Browse 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	=
	MQA1	
	MQWT3	
	MQWT4	
	MQWT5	
	MQFC4_X86_64	
	MQFC4_TWO	
	MQFC9_X86_64	Ŧ
	Select All	
	Select a group for the queue managers to be imported to	D:
	default 👻	
	Time Zone:	
	(UTC-05:00) America/New_York 🗸	
	OK OK Cancel	

#### 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 Browse will display a list of queue managers from the CCDT file that can be selected:

Import Qu	ueue Managers	x
$\bigcirc$	Select the queue managers to be imported. ————	
	MQWT1	
	MQWT2	
	MQWC1	
	MQWC2	E
	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	

#### 4.6.5 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 Browse, 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 Browse will display a list of queue managers from the CCDT file that can be selected:

Import Q	ueue Managers
2	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

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 Browse will display the *Import Queue Managers* window with all local queue managers that do not exist in MQ Visual Browse.

# 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 Browse, 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 = 1 0		
Queue Managers	Queue     Open Queue	
Solaris 🛆	Queue Name:	
Windows 🗢	TEST.Q1 v 🕑 Open	
Laptop - MQWL1 MQWC1 MQWC1 remote - No Exit MQWC1 remote - No Exit MQWT1 - Test Send Exit MQWT1 remote - MQC4 MQWT1 remote - MQC4 MQWT1 remote - MQC4 MQWT1 remote - MQC4 MQWT1 remote - NQC4 MQWT1 remote - SetUserId MQWT1 remote - SetUserId MQWT2	Display Range: 1 To 1000 Open Options Convert on Get z/OS Shared queue on z/DS: The shared queue on z/DS: The shared queue is indexed by: @ Message ID Correlation ID	
MQVT2 remote MQVT2 remote - No Exit MQVT3 remote - SetUserId MQVT3 - SetUserId MQVT3 remote - MQCT MQVT3 remote - MQCT MQVT3 remote - No Exit MQVT3 remote - No Exit MQVT3 remote - SetUserId MQVT5 Vista - MQVV1_64 - S Series	List Queues Masic *  Show System Queues Show Temporary Queues Queue Type: Al	

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
ile <u>S</u> ort <u>H</u> elp					
Quick Search	Double click	to sor	t		
🞖 Queues	-				
Queue Name	Туре	Depth	Input	Output	
TEST.Q1	QLocal	3	0	0	-
TEST.Q1.AL	QAlias				
TEST.Q1.BK	QLocal	15	0	0	
TEST.Q1.RQ	QRemote				-
TEST.Q10	QLocal	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	-

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 Browse - Da	ays remaining in s	subscription: 365
File Queue Topic Mess	age Properties	View Favorites Tools Help
🕨 🎜 📕 🖪		1   D   A   A   D   🔏   (
Queue Managers Windows		
Aptop - MQWL1 MQWC1 MQWC2 MQWT1		
MQWT1 Tr 📙 O		u TEST.Q1 u TEST.Q3
MQWT1ren 🚯 O	pen Topic st Topics	TEST.Q2 TEST.BAD SYSTEM.DEFAULT.LOCAL.QUEUE
MQW12 rem -	dit ename	
MQWT3 ren 📈 🛛	love To 🔹 🕨	

Or from the main menu of MQ Visual Browse, 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		
File Help		
1 = 2 2		
	LT Queue         Open Queue         Queue Name:         TEST.Q1         Deploy Range:         1 To         1000         Open Options         Convert on Get         z/OS         Shared queue on z/OS:         The shared queue in indexed by:         © Message ID         Correlation ID	
M MQWT2 M MQWT2 remote - Ne Exit M MQWT2 remote - Ne Exit M MQWT2 remote - SetUserId M MQWT3 - Test Send Exit M MQWT3 remote - MQCT M MQWT3 remote - Ne Exit M MQWT3 remote - Ne Exit M MQWT3 remote - Ne Exit M MQWT3 W Star - MQWV1_64 - S Series	List Queues Madic *  Show System Queues Show Temporary Queues Queue Type: Al	

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.

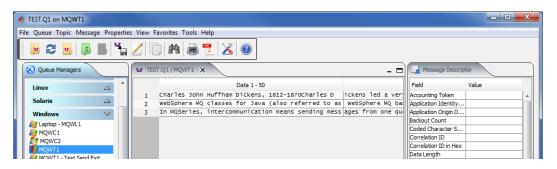
There are 2 types of options that you can selected: Convert on Get and Context.

• **Convert on Get** - this option will instruct MQ Visual Browse 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.).

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								X
File Queue Topic Mess	age Prop	pertie	s View I	avorites Tools Help				
		4		) A 🖶 🔁 🔀 🞯				
Queue Managers			TEST.Q	I/MQWT1 X TEST.Q2/MQWT1 X		📕 Message Descrip	tor	
Linux		^		Data 1 - 50		Field	Value	
Solaris			1	In MQSeries, intercommunication means sending mess ages from one WebSphere MQ classes for Java (also referred to as WebSphere MQ				
Windows	~		2	Websphere MQ classes for Java (also referred to as websphere MQ	ba	Application Identity Application Origin D		- 11
	~					Backout Count		
Laptop - MQWL1						Coded Character S		
MQWC1						Correlation ID		
MOWT1	_					Correlation ID in Hex		
A MOMITI Test Sood	Evit					Data Length		

#### 5.3 Refreshing a Queue

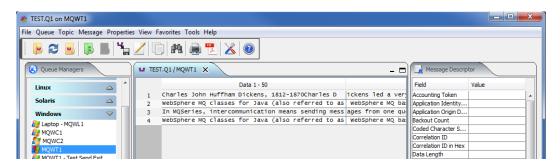
This section will describe how to refresh the contents of a queue.

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

ile Queue Topic Me	scage Dron	ertie	View E	avorites Tools Help			
e queue ropic ini	issage riop	erue:	VIEW I				
🕨 🈂 🖪 I	<b>B B</b>   '	1		) 🗚 👼 🍢 🔀 🞯			
🔇 Queue Managers			TES	T.Q1/MQWT1 X		Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
			1	Charles John Huffham Dickens, 1812-1870Charles D			
Solaris			2	WebSphere MQ classes for Java (also referred to as			
Windows	$\bigtriangledown$		3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D	
Laptop - MQWL1	_					Backout Count	
MQWC1						Coded Character S	
MQWC2						Correlation ID	
	_					Correlation ID in Hex	
MQWT1						Data Length	

From the main panel of MQ Visual Browse, 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.



### 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							
ile Queue Topic Me	ssage Pro	pertie	s View F	avorites Tools Help			
🕨 22 🖪 🚺		۳.		) 🗚 🚊 📆 🔀 🥑			
Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
Solaris			1 2	Charles John Huffham Dickens, 1812-1870Charles D WebSphere MQ classes for Java (also referred to as			A
Windows	$\bigtriangledown$		3	In MQSeries, intercommunication means sending mess			
A Laptop - MQWL1 MQWC1 MQWC2 MQWT1 MQWT1 - Test Ser						Backout Count Coded Character S Correlation ID Correlation ID in Hex Data Length	

From the main panel of MQ Visual Browse, 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:

TEST.Q1 on MQWT1							- <b>D</b> ×
ile Queue Topic Me	ssage Pro	pertie	s View F	avorites Tools Help			
🕨 🎜 🖪 🚺	5 6	۳.		) 🗚 🚊 📆 🔀 🥑			
(C) Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	🙀 Message Descrip	otor
Linux		^		Data 1 - 50		Field	Value
Solaris			1	Charles John Huffham Dickens, 1812-1870Charles D In MQSeries, intercommunication means sending mess	ickens led a ver ages from one qu		úæl Õê€Â
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba	Application Origin D	
Laptop - MQWL1 MQWC1 MQWC2 MQWC2 MQWT1						Backout Count Coded Character S Correlation ID Correlation ID in Hex Data Length	

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

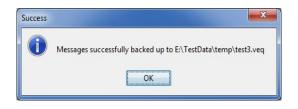
The user can select the type of Backup file (SQLite database or VEQ formatted file), the directory and/or filename and whether the messages should be appended or a new file is to be created.

Backup Queue	×
File Format <ul> <li>Backup messages to VEQ formatted file</li> <li>Backup messages to SQLite database</li> </ul>	
Output File Name File Name E:\TestData\MQWT1_TEST.Q1_2018-08-10.veg	Browse
File Handling	Save
Append messages to MQVE Backup file	Cancel

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

Save			×
Save in:	🕕 temp	- 👌 🕫 🖽	
Recent Items	test1.veq test2.veq		
Desktop			
My Documents			
Computer			
	File <u>n</u> ame:		Save
Network	Files of <u>typ</u> e:	MQVE Backup Queue Files (*.veq)	Cancel

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.



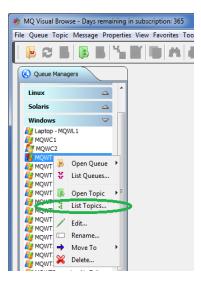
# 6 Managing a Topic

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 Browse, 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		
Queue Managers	Topic	
Linux	Open Topic	h
Solaris 🛆	Topic String:	
Windows 🗢		
Laptop - MQWL1 MQWC1 MQWC2 MQWC2 MQWT1 - Test Send Exit MQWT1 - Test Send Exit MQWT1 - Tenote - MQCE MQWT1 - Tenote - MQCE EMMQWT1 remote - MQCE EMMQWT1 remote - MQCE EMMQWT1 remote - MQCE	Topic Name: Copen Options Convert on Get Open Read Only Context: Default Context	
MQWT1 remote - SetUserId MQWT2 remote MQWT2 remote MQWT2 remote MQWT3 remote MQWT3 remote MQWT3 remote MQWT3 remote - No Exit MQWT3 remote - No Exit MQWT3 remote - No Exit MQWT3 remote - No Exit MQWT4 Vota - NQWL 64 MQWT4 SetUse - X0WU1 64	List Topics Madi: # List Show System Topics	

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 queuec 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.

ile <u>S</u> ort <u>H</u> elp							
Topics							
	Tonic Name	Durable	Persistence	Publications	Subscriptions	Pub Count	Sub Count
Topic String	Topic Name		Persistence		Subscriptions	Pub Count	Sub Count
	Topic Name	Durable Yes Yes	Persistence No No	Publications Allowed Allowed	Subscriptions Allowed Inhibit	Pub Count 0 0	Sub Count 0 0
Topic String /Test		Yes	No	Allowed	Allowed	0	0

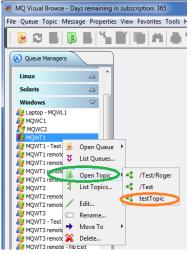
There are 4 options the user can select:

- 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:



or from the main menu of MQ Visual Browse, 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:

🍀 Open Topic	
File Help	
Queue Managers	CT Topic
Linux	Open Topic
Solaris 🛆	Topic String:
Windows 🗢	
Laptop - MQWL1 MQWC2 MQWC2 MQWT1 - Test Send Exit MQWT1 - Test Send Exit MQWT2 - Test Set MQWT2 - Test	Topic varie: Open Options Convert on Get Context: Default Context
MQWT2 remote - SetUserId MQWT3 - Test Send Exit MQWT3 - Test Send Exit MQWT3 remote - MQCT MQWT3 remote - No Exit MQWT3 remote - SetUserId MQWT4 W Vata - MQWT_164 - S	Mask: # Uiet

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 Browse 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.).

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						
File Queue Topic Mes	sage Prope	rties View	Favorites Tools Help			
🖡 C 🖪 🕽	5 🖪 🖣		- A - Z & 0			
Queue Managers		<b>4</b> t	estTopic / MQWT1 X	- 🗆	Message Descrip	tor
Linux		^	Data 1 - 50		Field	Value
	_	0	Your lucky number today is 558		Accounting Token	A
Solaris		1	Your lucky number today is 559		Application Identity	
Windows		2	Your lucky number today is 560		Application Origin D	
		3	Your lucky number today is 561		Backout Count	
Laptop - MQWL1					Coded Character S	
					Correlation ID	
MQWC2 MOWT1	_				Correlation ID in Hex	
	ina.				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 MQWT	1						
le Queue Topic Me	ssage Prope	rties	View F	avorites Tools Help			
🕨 2 🖪 🗍	B 🖪 🖣			) 🛤 👼 🄁 🔀 💿			
🔇 Queue Managers			🔩 tes	Topic / MQWT1 X	- 🗖	🕌 Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
			0	Your lucky number today is 558		Accounting Token	
Solaris		_	1	Your lucky number today is 559	1	Application Identity	
Windows	$\bigtriangledown$		2	Your lucky number today is 560		Application Origin D	
			3	Your lucky number today is 561		Backout Count	
Laptop - MQWL1						Coded Character S	
MQWC1						Correlation ID	
MQWC2						Correlation ID in Hex	
MQWT1						Data Length	

From the main panel of MQ Visual Browse, 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 describehow 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:

testTopic on MQW	Γ1						- <b>D</b> X
ile Queue Topic M	essage Prop	erties V	iew F	avorites Tools Help			
🕨 🛪 📕 🤇	<b>B B</b>  •	°a 🖊	1	) 🗚 📄 뿣 🔀 💿			
🔇 Queue Managers			🕻 test	Topic / MQWT1 X	- 🗆	📕 Message Descrip	itor
Linux		*		Data 1 - 50		Field	Value
Solaris			0	Your lucky number today is 558 Your lucky number today is 559		Accounting Token Application Identity	<b>^</b>
Windows			2	Your lucky number today is 560		Application Origin D	
Aptop - MQWL1 MQWC1 MQWC2 MQWC2 MOWT1			3	Your lucky number today is 561	•	Backout Count Coded Character S Correlation ID Correlation ID in Hex	
Banowith Table	and music					Data Length	

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

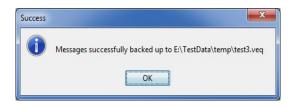
The user can select the type of Backup file (SQLite database or VEQ formatted file), the directory and/or filename and whether the messages should be appended or a new file is to be created.

Backup Topic	×
File Format Backup messages to VEQ formatted file Backup messages to SQLite database	
Output File Name File Name E:\TestData\temp\MOWT1 testTopic 2018-08-10.veg	Browse
File Handling  © Create a new MQVE Backup file	Save
O Append messages to MQVE Backup file	Cancel

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

Save			×
Save in:	🕕 temp	- 👌 🕫 🖽	
Recent Items	test1.veq test2.veq		
Desktop			
My Documents			
Computer			
	File <u>n</u> ame:		Save
Network	Files of <u>typ</u> e:	MQVE Backup Queue Files (*.veq)	Cancel

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.



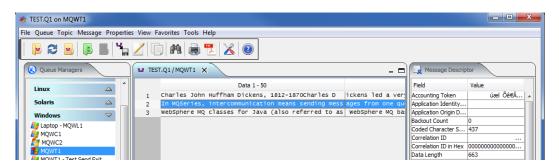
# 7 Manipulating the Messages

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

# 7.1 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:



From the main panel of MQ Visual Browse, 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.

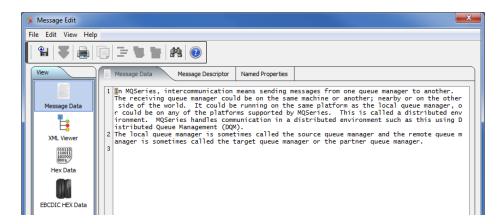
### 7.2 Edit a Message

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								
e Queue Topic Mes	sage Pro	pertie	s View	Favorites Tools Help				
🕨 22 🖪 🚺	5 6	۳.		) 🗚 👼 🄁 🔏 💿				
Queue Managers			U TE	ST.Q1/MQWT1 X		- 🗆	🙀 Message Descrip	itor
Linux		^		Data 1 - 50			Field	Value
Solaris			1	Charles John Huffham Dickens, In MQSeries, intercommunicati	on means sending mess	ages from one qu	Application Identity	
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java	(also referred to as	WebSphere MQ ba		
Laptop - MQWL1 MQWC1 MQWC2 MQWC2								0 437  00000000000000 663

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



You can now edit, updated or delete sections of the message text. From the Message Edit panel, the user can select to save the contents to a file or load data from a file. Click the **Save** button to save the message data to a file. For more information about the features / functions for the Message Data tab, go to the Message Data section in Chapter 8.

### 7.3 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				_ <b>_ _</b> ×
ile Queue Topic Mes	sage Propertie	s View I	avorites Tools Help	
🕨 🎜 🖪 🚺	5 B   <b>%</b>		) 🙈 🖶 🔀 🞯	
( Queue Managers		TES	T.Q1/MQWT1 X _ D	e Descriptor
Linux	^		Data 1 - 50 Field	Value
Solaris		1 2	Charles John Huffham Dickens, 1812-1870Charles D ickens led a veri In MQSeries, intercommunication means sending mess ages from one qui Application Ic	
Windows	$\bigtriangledown$	3	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba: Application O	
A Laptop - MQWL1 MQWC1 MQWC2 MQWT1 MQWT1 Tort For			Backut Cour Coded Chara Correlation II Correlation II Data Length	cter S 437

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

Hex Messi ile <u>E</u> dit <u>H</u> e	<u> </u>																
		19	?	)													
📳 Hex Da	ta		_														
Address	0	1	2	3	4	5	6	7	8	9	Α	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	60	65	61	6E	73	20	73	65	6E	64	69	6E	67	20	6D	65	means sending me
00000030	73	73	_	67													ssages from one
00000040		. 75															queue manager to
00000050			6E												20		another. The r
00000060		63															eceiving queue m
00000070																	anager could be
00000080		6E															on the same mach
00000090	69	6E															ine or another;
000000A0	) 6E	65															nearby or on the
000000B0	20	6F	74	68	65	72	20	73	69	64	65	20	6F	66	20	74	other side of t
00000000		65	20	77	6F	72	6C	64	2E	20	20	49	74	20	63	6F	he world. It co
00000D0	75	6C	64	20	62	65	20	72	75	6E	6E	69	6E	67	20	6F	uld be running o
000000E0	) 6E	20															n the same platf
000000F0	) 6F	72	6D	20	61	73	20	74	68	65	20	6C	6F	63	61	6C	orm as the local
00000100			75											72			queue manager,
00000110	) 6F	72	20	63	6F	75	6C	64	20	62	65	20	6F	6E	20	61	or could be on a
00000120	) 6E	79	20	6F	66	20	74	68	65	20	70	6C	61	74	66	6F	ny of the platfo
00000130	) 72	6D	73	20	73	75	70	70	6F	72	74	65	64	20	62	79	rms supported by
00000140	20	40	51	53	65	72	69	65	73	2E	20	20	54	68	69	73	MQSeries. This
00000150			73														is called a dis
00000160		72		62							_					_	tributed environ
00000170		65															ment. MQSeries
00000180	68	61	6E	64	6C	65	73	20	63	6F	6D	6D	75	6E	69	63	handles communic
00000190	61	. 74	69	6F	6E	20	69	6E	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	6E	6D	65	ibuted environme
000001B0		74	20	73	75	63	68	20	61	73	20	74	68				nt such as this
000001C0	75	73	69	6E	67	20	44	69	73	74	72	69	62	75	74	65	using Distribute
000001D0			51														d Queue Manageme
000001E0	) 6E	74	20	28	44	51	4D	29	2E	<b>0</b> A	54	68	65	20	6C	6F	nt (DQM). The lo
000001F0			6C	_			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

You can now edit in hex sections of the message text.

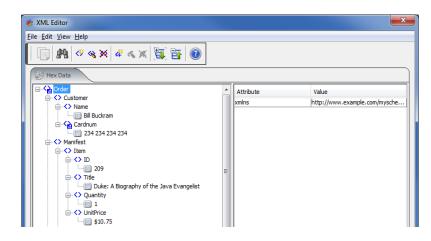
#### 7.4 Edit a Message with XML Editor

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.Q3 on MQWT1						
le Queue Topic Mes	sage Pro	pertie	i View	avorites Tools Help		
🕨 🎜 🖥 🚺		۳.		) 😤 👼 📆 🔀 🎯		
Queue Managers			TE:	5T.Q3/MQWT1 ×	Message Descrip	itor
Linux		*		Data 1 - 50	Field	Value
Solaris			1	xml version="1.0" encoding="UTF-8"?		

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



You can now edit the message using the XML Editor.

#### 7.5 Compare a Message to a File

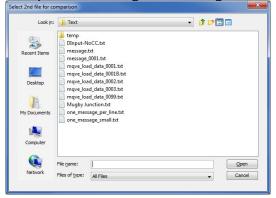
This section will describe how to compare the contents of a message to file.

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

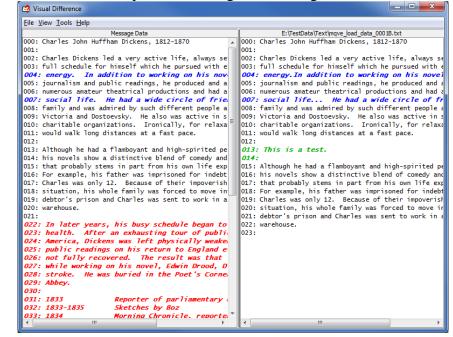
4	TEST.Q1 on MQWT1								
F	ile Queue Topic Messag	ge Pro	perties	s View F	avorites Tools Help				
	🕨 🎜 🖪 🚯		۳.		) 🗚 👼 🌄 🔀 📀				
	(C) Queue Managers			TES	T.Q1/MQWT1 X		- 🗆	Message Descrip	tor
	Linux		^		Data 1 - 50	)		Field	Value
		_		1	Charles John Huffham Dickens,			Accounting Token	úæl Õê€Â ▲
	Solaris			2	In MQSeries, intercommunicati				
	Windows			3	WebSphere MQ classes for Java	a (also referred to as	WebSphere MQ ba	Application Origin D	
	Laptop - MQWL1							Backout Count	0
								Coded Character S	437
	MQWC1							Correlation ID	
	MQWC2							Correlation ID in Hex	00000000000000
	MQWT1	vit						Data Length	2492

From the main panel of MQ Visual Browse, 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.



#### 7.6 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							
ile Queue Topic Me	sage Prop	perties	View F	avorites Tools Help			
	5 6 1	<b>Y</b>		) 🗚 👼 🌄 🔏 🞯			
(C) Queue Managers			TES	T.Q1/MQWT1 X	- 🗆	🕌 Message Descrip	itor
Linux		^		Data 1 - 50		Field	Value
Solaris			1	Charles John Huffham Dickens, 1812-1870Charles D In MQSeries, intercommunication means sending mess			úæl Õê€Â ∡
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba		
Laptop - MQWL1						Backout Count Coded Character S Correlation ID	0 437 
MQWC2 MQWT1	de a					Correlation ID in Hex Data Length	000000000000000 2492

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

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

🛓 Print		<b>X</b>
Printer		
<u>N</u> ame: Br	rother MFC-9840CDW Printer	
Status: To	ner low; 0 documents waiting	
Type: Bro	other MFC-9840CDW Printer	
Where: BR	RNED403B	
Comment: MF	C-9840CDW LAN	Print to file
Print range		Copies
<u>A</u> I		Number of <u>c</u> opies: 1
⊚ Pages fn	rom: 1 to: 9999	
Selection		11 22 33 Collate
		OK Cancel

### 7.7 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:

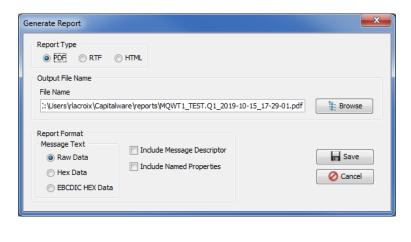
🐐 TEST.Q1 on MQWT1							- <b>D</b> X
File Queue Topic Me	sage Pro	pertie	s View	avorites Tools Help			
	5 6	۳.		1 🗚 🚔 📆 🔏 🕖			
Queue Managers			u TE	ST.Q1/MQWT1 ×	- 🗆	🕌 Message Descrip	otor
Linux		*		Data 1 - 50		Field	Value
Solaris			1 2	Charles John Huffham Dickens, 1812-1870Charles D In MQSeries, intercommunication means sending mess		Accounting Token Application Identity	úæl Õê€Â ▲
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba		
Laptop - MQWL1	_					Backout Count	0
MOWC1						Coded Character S	437
MQWC2						Correlation ID	
MQWT1	d Eva					Correlation ID in Hex Data Length	2492

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

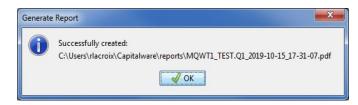
The user now selects how the messages are to be generated into the report:

- 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



### 7.8 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:

File Queue Topic Message Properties View Favorites Tools Help	TEST.Q1 on MQWT1							
Queue Managers      M TEST.Q1/MQWT1 ×      Data 1 - 50      Charles John Huffham Dickens, 1812-1870Charles D     ickens Ied a very      Modows      In MQSeries, intercommunication means sending mess ages from one qu     a websphere MQ classes for Java (also referred to as websphere MQ ba     Application Dight D      Badout Count 0     Coded Character S 437     Correlation ID       Correlation ID     In Hex 0000000000000      Control In Hex 0000000000000	ile Queue Topic Me	ssage Pro	pertie	s View I	avorites Tools Help			
Linux         Data 1 - 50         Field         Value           Solaris         1         Charles John Huffhan Dickens, 1812-1870Charles D         1ckens 1ed a veri Accounting Token         áed ÖeéÅ           Vindows         2         In MQSeries, intercommunication means sending mess ages from one qui Bustop - MQW.1         Application Origin D         Baptication Origin D           MQWC1         MQWC2         MQWC2         In MQSeries, intercommunication means sending mess ages from one qui Application Origin D         Baptication Origin D			۳.		) 🗚 🚔 🌄 🔀 🞯			
Linux       A         Solaris       Accounting Token       úæl ÖééÅ         Solaris       In MQSeries, intercommunication means sending mess ages from one qui Application Identity       Accounting Token       úæl ÖééÅ         Windows       Im MQSeries, intercommunication means sending mess ages from one qui Application Origin D       Accounting Token       Application Identity       Application Origin D       Bacout Counting       Accounting Token       Accounting Token	Queue Managers			TE:	T.Q1/MQWT1 X	- 🗆	Message Descrip	otor
Solaris     2     In MQSeries, intercommunication means sending mess ages from one qui application Digin D     Application Identity       Windows     3     websphere MQ classes for Java (also referred to as websphere MQ ball MQWC1     Application Digin D       MQWC1     0       MQWC2     0	Linux		^					
Windows         Backout Count         0           Laptop - MQWL1         Coded Character S         437           MQWC2         Correlation ID            Correlation ID in Hex         000000000000         Correlation ID in Hex	Solaris			1 2				
Laptop - MQWL1         Coded Character S 437           MQWC1         Correlation ID           MQWC2         Correlation ID in Hex	Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java (also referred to as	WebSphere MQ ba		
MQWC1 Correlation ID Correlation ID Correlation ID INEX 000000000000	A Laptop - MOWL1	_						0
Gorrelation ID in Hex. 0000000000000								437
Correlation 10 in Hex 00000000000000000000000000000000000								
	MOWT1						Correlation ID in Hex Data Length	2492

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

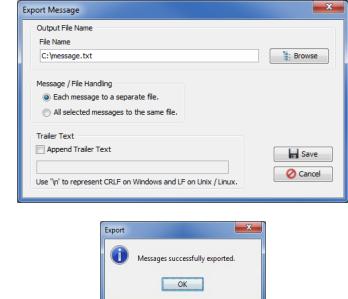
The user now selects how the messages are to be outputted to a file:

- 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.

### 7.9 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							
File Queue Topic Message Propert	s View Favorites Tools Help						
	🕨 🌫 🖳   🖫   🏪 💋   🗊   🙉   🖷 🅦 🗶   🎯						
Queue Managers	TEST.Q1/MQWT1 X _ D	Message Descriptor					
Linux 🛆	Data 1 - 50	Field Value					
Solaris 🛆	1 Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver 2 In MQSeries, intercommunication means sending mess ages from one qu						
Windows	3 WebSphere MQ classes for Java (also referred to as WebSphere MQ bases)						
🛃 Laptop - MQWL1		Backout Count					
MOWC1		Coded Character S					
MQWC2		Correlation ID Correlation ID in Hex					
MQWT1		Data Length					

From the main panel of MQ Visual Browse, 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 Properti	; View Favorites Tools Help		
📔 🖉 😼 🖪 🎽	🖌 🗊 幹 👼 🄁 🔀 🐵		
Queue Managers	TEST.Q1/MQWT1 X	Message Descriptor	
Linux	Data 1 - 50	Field Va	alue
	1 Charles John Huffham Dickens, 1812-1870Charles D ickens led a very	Accounting Token	A
Solaris 🛆	2 In MQSeries, intercommunication means sending mess ages from one que		
Windows	3 WebSphere MQ classes for Java (also referred to as WebSphere MQ based)		
Laptop - MQWL1		Backout Count	
MQWC1		Coded Character S	
MQWC1		Correlation ID	
MQWC2 MQWT1		Correlation ID in Hex	
		Data Length	
MQWT1 - Test Send Exit		Encoding	
MQWT1 remote MQWT1 remote - MQCT	Find	Expiry Interval	E
		Feedback Code	
MQWT1 remote - No Exit		Format	
MQWT1 remote - SetUserId	Find What: MQseries	Group ID	
MQWT2	Case Sensitive	Group ID in Hex	
MQWT2 remote	Case Sensitive	Logical Sequence N	
MQWT2 remote - SetUserId		Message Flags	
MQWT3	Find Cancel	Message ID	
MQWT3 - Test Send Exit		Message ID in Hex	
Agg MQWT3 remote		Message Type	

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



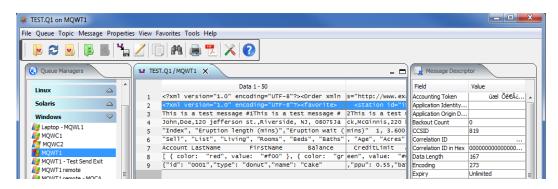
# 8 Message Edit

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:



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

🏶 Message Edit		3
File Edit Message View	v Help	
View View Message Data Viewer Control Viewer Viewer Viewer CSV Viewer CSV Viewer View	<pre>Message Data Message Descriptor Named Properties  Message Data Message Descriptor Named Properties  (* Avorite&gt;</pre>	
EBCDIC		
HEX Data	Row=1 Column=1 Total Rows=7 Wrap Text=On Insert=On	
		1

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 Browse will enable the "Get All Data" menu item (under File) on the Message Edit window.

🛸 Message Edit	
File Edit View Help	
Save to File	
Get All Data	ssage Data Message Descriptor Named Properties
	MQSeries, intercommunication means sending messages from one queue manager to another. e recei
XML Viewer	
010110 110011 101000 0001	
Hex Data	
EBCDIC HEX Data	

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

Under File:

- Save to File Allows the user to save the message content to a plain text file.
- Get All Data if the retrieved message data is smaller than the actual message size then this menu item will be enable.
- **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:

- 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.
- **Replace** Provides the user with the ability to search the message content for a specific string and replace the string with another string.

Under View:

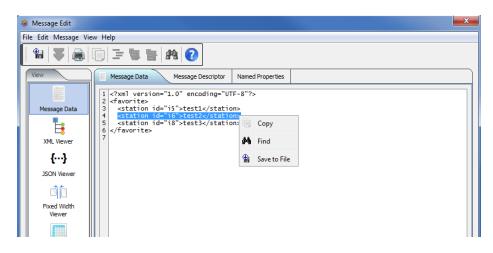
- Wrap Text Allows the user to toggle the message content's display between wrapped and unwrapped text.
- Select All Allows the user to quickly select all of the message's content.
- Unselect All Turns the selection off (if on) and sets the cursor to column 1 of row 1.

Under Help:

• Help - Allows the user to display the MQ Visual Browse 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:

- 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.
- Load from File Allows the user to load (import) the contains of a text file into the current message text.



#### 8.2 XML Viewer Dock

This section will describe how to edit 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.Q3 on MQWT1							
ile Queue Topic Me	ssage Prop	erties	View F	avorites Tools Help			
📔 🔁 🔜 📴 💾 🎽 💭 🗐 🛤 📾 🄁 🔏 🔞							
Queue Managers			TES	T.Q3/MQWT1 X _ 🗆	Message Descrip	tor	
Linux		^		Data 1 - 50	Field	Value	
Solaris			1	xml version="1.0" encoding="UTF-8"?			

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

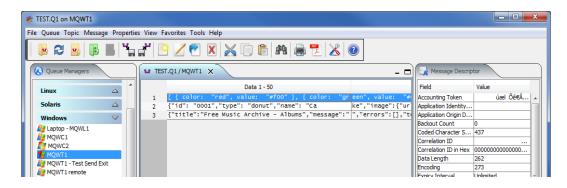
The XML data is shown in a tree view. The user can expand any entry they wish to. This will allow them to view attributes, nodes and data with the XML data.

🍓 Message Edit			×
File Edit Message	View Help		
<b>1</b>	) 🕞 🖻 🙀 🚱		
View	XML Viewer Message Descriptor Named Properties		
1 I I I I I I I I I I I I I I I I I I I	□ ··· Crder	Attribute	Value
	⊡> Customer	xmins	http://www.example.com
Message Data	Bill Buckram		
	234 234 234 234		
XML Viewer	Manifest		
{···}	⊡ V Item		
	◆ ID 		
JSON Viewer	Tite =		
- 16 - L	Duke: A Biography of the Java Evangelist		
Fixed Width Viewer			
Viewer	E-↔ UnitPrice		
	\$10.75 → ↓ Item		
CSV Viewer	208		
<b>E</b>	E 🔿 Title		
	100% Pure: Making Cross Platform Deployment a Realit		
FIX Viewer	⊖-<> Quantity □_□ 1		
010110 110011 101000 0001	□ I □ · · · · · · · · · · · · · · · · · · ·		
	in 10.75		
Hex Data			
UN UN	204		
EBCDIC	☐ <> Title ☐ Making the Transition from C++ to the Java(tm) Langua		
HEX Data	Making the transition from C++ to the Java(th) Langue     Ouantity		

#### 8.3 **JSON Viewer Dock**

This section will describe how to edit 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:



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

The JSON data is presented in a formatted view. 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 Message Vie	ew Help	
	<b>1</b>	(1) 二 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (	
	View Message Data	<pre></pre>	

### 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 MQW	/T1						
ile Queue Topic	le Queue Topic Message Properties View Favorites Tools Help						
📔 😂 📓 🖺 🏪 💋 🗊 🛤 👼 📆 🗶 📀							
🔇 Queue Manage	rs		TES	5T.Q1/MQWT1 × _		🕌 Message Descrip	tor
HP-UX		•		Data 1 - 50		Field	Value
Linux			1	<pre><?xml version="1.0" encoding="UTF-8"?><order 1.0"="" ?="" encoding="UTF-8" s="http://www.&lt;br&gt;&lt;?xml version=" xmln=""><favorite> <station id="&lt;/pre"></station></favorite></order></pre>		Accounting Token Application Identity	úæl Õê€Â¿ ∡
Solaris			3 4	This is a test message #1This is a test message # 2This is a test John,Doe,120 jefferson st.,Riverside, NJ, 08075Ja ck,McGinnis,22		Application Origin D Backout Count	0
Windows	$\bigtriangledown$		5	"Index", "Eruption length (mins)","Eruption wait (mins)" 1, 3.6 "Sell", "List", "Living", "Rooms", "Beds", "Baths", "Age", "Acre		CCSID Correlation ID	819
Laptop - MQWI	.1		7	Account LastName FirstName Balance CreditLimit [{ color: "red", value: "#f00" }, { color: "gr een", value:			000000000000000
MQWC1		=	9	{"id": "0001", "type": "donut", "name": "Cake", "ppu": 0.55,"	ba <sup>.</sup>	Encoding	273
MQWT1 B MQWT1 - Test	Send Exit					Expiry Feedback	Unlimited =
MQWT1 remote	e					Flags	None
ANOWT1 remote	- MOCA					Format	MOSTR

From the main panel of MQ Visual Browse, 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 Browse will automatically use it when the *Fixed Width Viewer* dock button is clicked.

\$ ₩ ₩	i je	<b>1 1</b>	<b>M</b>						
View	Fixe	d Width Viewer	Messag	e Descriptor	Named Proper	ties			
100		Account	Last Name	First Name	Balance	Credit Limit	Account Cr	Rating	
and the second s	1	101	Flinstones	Fred	4315.45	10000.00	1/17/1998	A	
Message Data	2	102	Flinstones	Wilma	4493.00	10000.00	1/17/1998	A	
<b>.</b>	3	312	Flinstones	Pebb1es	90.00	1000.00	8/6/2003	В	
L 2	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 Rockhead	George	49654.87 789.65	100000.00	12/5/1981	A C	
JSON Viewer	8	317	косклеао	ное	789.65	\$000.00	2/5/2002	C	
CSV Viewer FIX Viewer 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:

🔹 TI	EST.Q1 on MQWT	1							×
File	Queue Topic M	essage Pro	perties	View Fa	avorites Tools Help				
	Þ 2 🖥		۳.,		) 😤 🚍 📆 🔀 🝞				
	Queue Managers			TEST	.Q1/MQWT1 X	- 🗆	Message Descrip	tor	
	HP-UX		•		Data 1 - 50		Field	Value	
				1	xml version="1.0" encoding="UTF-8"? <order s<="" td="" xmln=""><td>="http://www.exa</td><td>Accounting Token</td><td>úæl Õê€Â¿ ⊿</td><td><u>_</u></td></order>	="http://www.exa	Accounting Token	úæl Õê€Â¿ ⊿	<u>_</u>
	Linux			2	xml version="1.0" encoding="UTF-8"? <favorite></favorite>	Application Identity			
	Colonic	0		3		This is a test r	Application Origin D		
	Queue Managers HP-UX △ Linux △ Solaris △ Laptop - MQWL1 MQWC1 MQWC2 MQWT1 MQWT MQWT1 MQWT MQWT MQWT MQWT MQWT MQWT MQWT MQWT			4		buckout count	0		
	Linux       Image: Construction of the second						819		
	windows	~		6			Correlation ID		
	Laptop - MQWL1			7	Account LastName FirstName Balance	CreditLimit /	Correlation ID in Hex	000000000000000	
	MQWC1			8				2128	
	MQWC2		=	9	{"id": "0001","type": "donut","name": "Cake" ,	"ppu": 0.55,"ba	Encoding	273	
	MQWT1						Expiry	Unlimited =	=
	🍯 MQWT1 - Test Se	end Exit					Feedback	0	
6	MQWT1 remote							None	
	MOW/T1 remote -	MOCA					Format	MOSTR	

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

File Edit Message View Help         Wex       Message Data       Message Descript       Named Properties         Message Data       Message Data       Message Data       Message Data         Message Data       Image: Second text of the second text of text of text of text of text of t
Vew         Message Data         Message Descriptor         Named Properties           Message Data         I         Tell1*, "Living", "Rooms", "Backs", "Backs", "Age", "Acres", "Taxes"         I           I         Tell1*, "Living", "Rooms", "Backs", "Backs", "Baths", "Age", "Acres", "Taxes"         I         I           I         Tell1*, "Living", "Rooms,", "Backs", "Baths", "Age", "Acres", "Taxes"         I         I           I         Tell1*, "Living", "Rooms,", "Backs", "Backs", "Baths", "Age", "Acres", "Taxes"         I           Viewer         I         Tell1*, "Living", "Rooms,", "Backs", "Backs", "Baths", "Age", "Acres", "Taxes"         I           Viewer         I         Tell2 : 160, 253, 610, 53, 1671         Stathst", 142, 163, 153, 1471         I           I         Tell2 : 160, 20, 8, 41, 31, 84, 03, 30, 2054         Stathst", 184, 00, 3131         I         I           I         Tell3 : 157, 22, 8, 31, 31, 86, 03, 84, 427         I         I         I         I           I         Tell3 : 10, 150, 22, 8, 44, 2, 151, 2.06, 3817         I         I         I         I           I         I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I
Image Loss       PLobage Loss       PLobage Loss         Image Loss       Image Loss       Reads       "Baths", "Age", "Acres", "Taxes"         Image Loss       Image Loss       Reads       "Baths", "Age", "Acres", "Taxes"         Image Loss       Image Loss       Reads       Reads       Reads         Image Loss       Image Loss       Reads       Reads       Reads       "Taxes"         Image Loss       Image Loss       Reads       Reads       Reads       Reads       Reads       Reads       Reads       Reads       Taxes"       Image Loss       Reads       Read

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 Browse will automatically use it when the *CSV Viewer* dock button is clicked.

Edit Message Vie										
<b>9</b>   <b>\$</b>   <b>\$</b>		16 1	<b>M</b>							
/iew	Csv 🛛	Viewer	Message Descri	iptor Name	l Properties					
		Sell	List	Living	Rooms	Beds	Baths	Age	Acres	
	1	Sel1	List	Living	Rooms	Beds	Baths	Age	Acres	
Message Data	2	142	160	28	10	5	3	60	0.28	
<b>L</b>	3	175	180	18	8	4	1	12	0.43	
- L <b>i</b>	4	129	132	13	6	3	1	41	0.33	
XML Viewer	5	138	140	17	7	3	1	22	0.46	
	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	
3.6	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	
Fixed Width Viewer	13	87	90	16	7	3	1	50	0.65	
viewer	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	-
	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	
010110 110011 101000 0001	23	293	305	26	8	4	3	6	0.46	
Hex Data	24	167	170	20	9	4	2	46	0.46	-
TEX Data	25	190	193	22	9	5	2	37	0.48	
	26	184	190	21	9	5	2	27	1.30	-
100	27	157	165	20	8	4	2	7	0.30	
EBCDIC	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	-
	35	<					-			-

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:

🌸 TEST.Q3 on MQW	/T1					- D - X						
File Queue Topic	File Queue Topic Message Properties View Favorites Tools Help											
🔇 Queue Manage	rs		TEST.Q1		📕 Message Descrip	tor						
HP-UX		-		Data 1 - 50	Field	Value						
Linux			1	8=FIX.4.2 D 9=176 D 35=8 D 49=PHLX D 56=PERS D 52= 20071123-05:30:0	Accounting Token Application Identity	úæl Õê€Âċ ▲						
Solaris					Application Origin D Backout Count	0						
Windows	$\bigtriangledown$				CCSID	437						
🚑 Laptop - MQWL	.1											
MQWC1		=			Data Length Encoding	339 273						
MQWT1					Expiry	Unlimited 🛛 🗧						
MQWT1 - Test					Feedback	0						
MQWT1 remote					Flags	None						

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

🏶 Message Edit	×.
File Edit Message Vie	ew Help
😫 🐺 👼	🗐 \Xi 🐚 🚔 🚱
View Message Data Message Data Message Data Message Data Son Viewer City Viewer	Message Data         Message Descriptor         Named Properties           1         #=FIX.4.2 D 9=176 D 35=8 D 49=PHLX D 56=PERS D 52=20071123-05:30:00.000 D 11=AT0MN0CCC999090 D 20=3 D 150=E D 35=MSFT D 167-CS D 54=1 D 38=15 D 44=D 0 4=25 D 58=PHLX EQUITY TE STIMG 59=0 147-C D 32=0 D 31=0 D 15=15 D 14=0 E 0 = 0 D 10=28 D 2 8=FIX.4.2D9=65D35=AD49=SERVERD56=CLIENTD34=177D52=20090107-18:15:16D98=0D108=30D10=062D
	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 Browse will automatically use it when the *FIX Viewer* dock button is clicked.

*	Message Edit											×
Fi	le Edit Message Vie	ew Help										
	<b>1</b>			<b>m</b>   ?)								
	View	FI	(Viewer	Message Descri	ptor	Named	Properties					
	100		A	В		с	D	E	F	G	н	
	1000	1	8=FIX.4.2	9=176	3	5=8	49=PHLX	56=PERS	52=2007	11=ATOM	20=3	
	Message Data	2	8=FIX.4.2	9=65	3	5=A	49=SERVER	56=CLIENT	34=177	52=2009	98=0	
	XML Viewer											
	{···}											
	JSON Viewer											
	đþ											
	Fixed Width											
	Viewer											
	CSV Viewer											
	(1)											
	FIX Viewer											
	010110 110011 101000 0001											
	Hex Data											
	11.1											
	EBCDIC											
	HEX Data											
												-
			•									F.
Ľ												

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 Mes	sage Pro	opertie	s View	Favorites Tools Help					
	5 6	¥,		) 🗚 🚔 🏞 🔀 🥑					
( Queue Managers			U TE	ST.Q1/MQWT1 X		- 🗖	🙀 Message Descrip	otor	
Linux		-		Data 1 - 50			Field	Value	
Solaris			1 2	Charles John Huffham Dickens, In MQSeries, intercommunicati		ickens led a very ages from one qu	Accounting Token Application Identity	úæl Õê€Â	. ^
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java	(also referred to as	WebSphere MQ bas			
Laptop - MQWL1							Backout Count	0	-11
MOWC1							Coded Character S	437	-11
MQWC2							Correlation ID		-
MQWT1									-11
BINOUTS THESE	a muse						Data Length	663	

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

😽 Mess	age Edit																			x
File Ec	dit View Help																			
		0 31		- 8	19	?														
View		📳 Hex Data		Me	ssage	Descr	riptor	Na	med P	roper	ties									
		Address	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F	Text	
	1000	00000000	49	6E	20	4D	51	53	65	72	69	65	73	2C	20	69	6E	74	In MQSeries, int	<u> </u>
Me	essage Data	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	
	E I	00000030	73	73	61	67	65	73	20	66	72	6F	6D	20	6F	6E	65	20	ssages from one	
	(ML Viewer	00000040	71	75	65	75	65	20	6D	61	6E	61	67	65	72	20	74	6F	queue manager to	
	(010110)	00000050	20	61	6E	6F	74	68	65	72	2E	20	20	54	68	65	20	72	another. The r	
	010110 110011 101000 0001	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	
	Hex Data	00000080	6F 69	6E 6F	20 65	74 20	68 6F	65 72	20 20	73 61	61 6E	6D 6F	65 74	20 68	6D 65	61 72	63 3B	68 20	on the same mach	
		00000090 000000A0	69 6E	65	61	20 72	6F	72	20	6F	6E 72	6⊢ 20	74 6F	68 6E	20	74	5B 68	20 65	ine or another; nearby or on the	
	0110	000000A0	20	65 6F	74	68	65	79	20	73	69	20 64	65	20	20 6F	66	20	74	other side of t	
EBC	DIC HEX Data	000000000	68	65	20	77	6F	72	6C	64	2E	20	20	49	74	20	63	6F	he world. It co	

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.

Under File:

- Save to File Allows the user to save the message content to a plain text file.
- **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																			
Fi	le Edit View Help	þ																		
	<b>1</b>																			
	View Hex Data Message Descriptor Named Properties																			
	111	1	Address	0	1	2	3	4	5	6	7	8	9	Α	в	С	D	Е	F	Text
	1000	I	00000000	49	6E	20	4D	51	53	65	72	69	65	73	2C	20	69	6E	74	In MQSeries, int 🔺
	Message Data	Ш	00000010	65	72	63	6F	6D	6D	75	6E	69	63	61	74	69	6F	6E	20	ercommunication
	<b>.</b>	Ш	00000020	6D	65	61	6E	73	20	73	65	6E	64	69	6E	67	20	6D	65	means sending me
	E I	Ш	00000030	73	73	61	67	65	73	20	66	72	6F	6D	20	6F	6E	65	20	ssages from one
	XML Viewer	Ш	00000040	71	75	65	75	65	20	6	61	с. С.	-61	67	65	72	20	74	6F	queue manager to
		Ш	00000050	20	61	6E	6F	74	68	6	10	Сору	0	20	54	68	65	20	72	another. The r
	010110 110011 101000 0001	Ш	00000060	65	63	65	69	76	69	6	ÅÅ.	Find	1	75	65	75	65	20	6D	eceiving queue m
		Ш	00000070	61	6E	61	67	65	72	2	or - 0	r in u	5	6C	64	20	62	65	20	anager could be
	Hex Data		00000080	6F	6E	20	74	68	65	2		Close	D	65	20	6D	61	63	68	on the same mach
	<b>100</b>		00000090	69	6E	65	20	6F	72	2				74	68	65	72	3B	20	ine or another;
	117.17		000000A0	6E	65	61	72	62	79	20	6F	72	20	6F	6E	20	74	68	65	nearby or on the
			000000B0	20	6F	/4	68	65	72	20	/3	69	64	65	20	6F	66	20	74	other side of t
	EBCDIC HEX Data		00000C0	68	65	20	17	6F	72	6C	64	2E	20	20	49	74	20	63	6F	he world. It co

# 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 MQWT1						
ile Queue Topic Messa	ige Propertie	s View I	avorites Tools Help			
<b>P</b> 2 <b>P P</b>			) 🗚 📄 🏞 🔀 📀			
Queue Managers		TES	T.Q1/MQWT1 X	- 5	Message Descrip	itor
Linux	4		Data 1 - 50		Field	Value
Solaris		1	Charles John Huffham Dickens, 1812-1870Ch In MQSeries, intercommunication means sen			úæl Õê€Â ▲
Windows		3	WebSphere MQ classes for Java (also refer	red to as WebSphere MQ ba		
Laptop - MQWL1 MQWC1					Backout Count Coded Character S Correlation ID	
MQWC2 MQWT1					Correlation ID in Hex Data Length	000000000000000000000000000000000000000

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

Message Edit Xiew Help																		
ile Edit View Help	)																	
<b>1</b>	0 3 1		8	2	?													
View	EBCDIC HE	EX Data	,	M	lessag	je Des	cripto	r I	Vamed	Prope	erties							
	Address	0	1	2	3	4	5	6	7	8	9	Α	в	С	D	Е	F	Text
10000	00000000	49	6E	20	4D	51	53	65	72	69	65	73	2C	20	69	6E	74	.>.(
Message Data	00000010	65	72	63	6F	6D	6D	75	6E	69	63	61	74	69	6F	6E	20	? <u>.</u> .>/?>. [
<b>.</b>	00000020	6D	65	61	6E	73	20	73	65	6E	64	69	6E	67	20	6D	65	/>>
📑	00000030	73	73	61	67	65	73	20	66	72	6F	6D	20	6F	6E	65	20	/??>
XML Viewer	00000040	71	75	65	75	65	20	6D	61	6E	61	67	65	72	20	74	6F	
010110	00000050	20	61	6E	6F	74	68	65	72	2E	20	20	54	68	65	20	72	./>?
010110 110011 101000 0001	00000060	65	63	65	69 67	76	69	6E	67	20	/1	75	65	75	65	20	6D	·····>····_
	00000070	61 6F	6E 6F	61 20	67 74	65 68	72 65	20 20	63 73	6F 61	75 6D	6C 65	64 20	20 6D	62 61	65 63	20 68	/>/?.%
Hex Data	00000080	69	6E	65	20	6F	72	20	61	6E	6F	74	20 68	65	72	3B	20	?>//
	00000030	6E	65	61	72	62	79	20	6F	72	20	6F	6E	20	74	68		>./`.??>
	00000080	20	6F	74	68	65	72	20	73	69	64	65	20	6F	66	20	74	.??
	22200000		-		50						94				50			

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.

Under File:

- Save to File Allows the user to save the message content to a plain text file.
- **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																			<b>X</b>
File Edit	View Help	р																		
		[	) I I	1	- 8	19	?													
View			EBCDIC HE	EX Dat	a	_ M	lessag	je Des	cripto	r I	Named	Prope	rties							
1			Address	0	1	2	3	4	5	6	7	8	9	Α	в	С	D	Е	F	Text
			00000000	49	6E	20	4D	51	53	65	72	69	65	73	2C	20	69	6E	74	.>.()
Messag	ge Data		00000010	65	72	63	6F	6D	6D	75	6E	69	63	61	74	69	6F	6E	20	?>/?>.
			00000020	6D	65	61	6E	73	20	73	65	6E	64	69	6E	67	20	6D	65	/>>
E	3		00000030	73	73	61	67	65	73	20	66	72	6F	6D	20	6F	6E	65	20	/??>
XML \	/iewer		00000040	71	75	65	75	65	20	<u>6</u> р	61	Com	-1	67	65	72	20	74	6F	/>/?
	0110		00000050	20	61	6E	6F	74	68	6!	-15	Сору	р	20	54	68	65	20	72	./>?
110	0110 0011 1000		00000060	65	63	65	69	76	69	61	ââ	Find	1	75	65	75	65	20	6D	·····>
			00000070	61	6E	61	67	65	72	20		1 IIIG	5	6C	64	20	62	65	20	/>/?.%
Hex	Data		00000080	6F	6E	20	74	68	65	2(		Close	Р	65	20	6D	61	63	68	?>//
			00000090	69	6E	65	20	6F	72	2(_			-	74	68	65	72	3B	20	.>?/>?
	10		000000A0	6E	65	61	72	62	79	20	6F	72	20	6F	6E	20	74	68	65	>./`.??>
<b>U</b>			000000B0	20	6F	74	68	65	72	20	73	69	64	65	20	6F	66	20	74	.??
EBCDIC	HEX Data		00000C0	68	65	20	/7	6F	/2	6C	64	2E	20	20	49	74	20	63	6F	?.%?

### 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								
File Queue Topic Mess	age Pro	pertie	S View	Favorites Tools Help				
🕨 R 🖪 関		¥,		) 🗚 📄 📆 🔀 💿				
Queue Managers			u TE	ST.Q1/MQWT1 ×		_	Message Descr	riptor
Linux		*		Data 1 - 5	-		Field	Value
Solaris			1 2	Charles John Huffham Dickens In MQSeries, intercommunicat	ion means sending mess	ages from one o		
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java	a (also referred to as	WebSphere MQ b		
Laptop - MQWL1	_						Backout Count	0
MQWC1							Coded Character S.	437
MOWC2							Correlation ID Correlation ID in Her	x 000000000000000000000000000000000000
MQWT1	<b>F</b> . 4						Data Length	663

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

Vew   Message Data   Message Data   Message Data   Message Data   Message Data   General   Message Priority:   Output   Report   SON Viewer   Cortext   Message Persistence:   MQPER_NOT_PERSISTENT   Put Time:   1dentifiers   Segmentation   CSV Viewer   Fix Viewer   Identifiers   Segmentation   Fix Viewer   Identifiers   Segmentation   Fix Viewer   Identifiers   Segmentation   Fix Viewer   Identifiers   Segmentation   Identifiers   Segmentation   Fix Viewer   Identifiers   Backout Count:   Identifiers   Segmentation   Identifiers   Identifiers   Ide	Message Edit
Message Data   Message Data   Message Type:   Message Type:   Message Priority:   M	
	Message Data   Message Type:   Message Type:   Message Priority:   Image: Context   Image:

The user may alter any value on any of the Message Descriptor dock: General, Report, Context, Identifiers, Segmentation or Attributes.

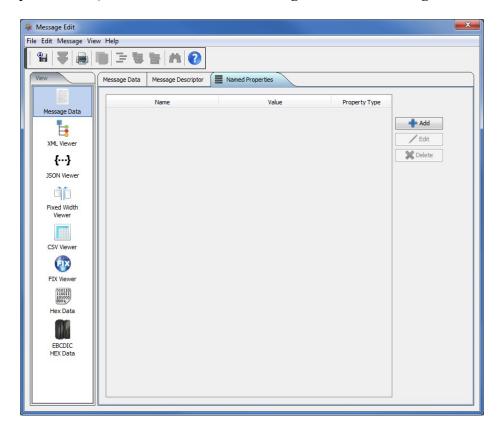
# 8.10 Named Properties Dock

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:

ile Queue Topic Mes	sage Pro	perties	View	Favorites Tools Help				
		۳.,		) # 🗎 📆 🔏 🕐				
Queue Managers			U TE	ST.Q1/MQWT1 ×		-	🗖 🕌 Message Desc	riptor
Linux		*		Data 1 - 50			Field	Value
Solaris			1	Charles John Huffham Dickens, In MQSeries, intercommunicati	on means sending mess	ages from one		
Windows	$\bigtriangledown$		3	WebSphere MQ classes for Java	(also referred to as	WebSphere MQ		
🛃 Laptop - MQWL1							Backout Count Coded Character S	0
MQWC1							Correlation ID	157
MQWC2							Correlation ID in He	
MQWT1	-						Data Length	663

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



The user may add/edit/delete any value on any of the Named Properties dock.

# 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:

TEST.Q1 on MQWT1								
File Queue Topic Mes	sage Proper	ties	View F	avorites Tools Help				
🕨 22 😼 🏮	6 B   4			) 🗚 📄 📆 🔀 🞯				
Queue Managers			u TES	T.Q1/MQWT1 X		- 🗖	📕 Message Descrip	tor
Linux				Data 1			Field	Value
Solaris			1	CIH 000000'0000003	00000000000000000000000000000000000000	ÿþadadýÿÿÿadadadi	Accounting Token Application Identity	^^
Windows							Application Origin D	
Novel 1							Backout Count	
MOWC1							Coded Character S	
MQWC2							Correlation ID	
MQWT1	15.4						Correlation ID in Hex Data Length	

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

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

🤹 M	lessage Edit									×
File	Edit View Help	)								
9		• = •		<b>m</b> 📀						
Vie	ew	CICS MQCIH	Mes	sage Descriptor						
	0705	CICS Information	Header	·						
	CICS	Header Length:	180	Encoding:	273	Flags:	0	Get Wait Interval:	-2	
	010110 110011 101000 0001	Format:		CCSID:	819	UOW Control:	273	Output Data Length:	-1	
		Return Code:	0	Completion Code:	0	Reason:	0	Facility Keep Time:	0	
	Hex Data	Start Code:		Cancel Code:		Cursor Position:	0	Error Offset:	0	
	0.8	Abend Code:		Function:		Authenticator:		Conversational Task:	0	
E E	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		Cor	nvert EBCDIC data	to ASCII Da	ata		
		1 This is a 2	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:

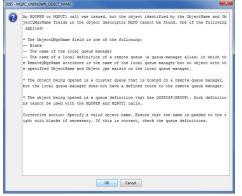
ſ	SYSTEM.DEAD.LETTER	R.QUEUE on M	QWT1				
	File Queue Topic Mes	sage Properti	es View I	Favorites Tools Help			
		6 B   ¥		) 🗚 👼 📆 🔀 🕡			
	Queue Managers		SYS	STEM.DEAD.LETTER.QUEUE / MQWT1 ×	- 🗆	🙀 Message Descrip	tor
	Linux	△		Data 1 - 50		Field	Value
	Solaris		1	DLH 000000%JUNK.Q.NAME	MQWT1	Accounting Token Application Identity	^ <b>^</b>
	Windows	$\bigtriangledown$				Application Origin D	
	Laptop - MQWL1 MQWC1					Backout Count Coded Character S Correlation ID	
	MQWC2	d Evit				Correlation ID in Hex Data Length	

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

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

🐐 Message Edit				
File Edit View Help				
<b>2 7 1</b>	) <b>: •</b> • •	<b>m</b> 💿		
View	1 MQDEAD M	essage Descrip	otor	
	Dead Letter Header			
Dead	Reason Code:	2085	]	
010110 110011 10000	Reason Text:	MQRC_UNKN	OWN_OBJE	BJECT_NAME More
Hex Data	Destination Q Name:	JUNK.Q.NAME		
Hex Data	Destination QMgr Name:	MQWT1		
118	Put Date:	2016-11-22	Put Time:	ne: 18:41:29.79
EBCDIC HEX Data	Encoding:	273	CCSID:	437
	Format:	MQSTR	]	
	Put-Application Type:	MQAT_WIND	OWS_NT	· •
	Put-Application Name:	Sphere MQ\bi	n64\amqrm	imppa.exe
	Message Data:	4		
	1 2 <sup>1</sup> <sup>1</sup> <sup>1</sup> <sup>1</sup> <sup>1</sup> <sup>2</sup>	message t	hat shou	ould go to the dead letter queue.

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.



# 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	.PERFM.EVEN	IT on N	AQWT1				-	×
File Queue Topic I	Message Pro	perties	s View F	avorites Tools Help				
	<b>B</b>	۳.		) 🗚 🖶 📆 🔀 🕜				
Queue Manage	rs		u sys	TEM.ADMIN.PERFM.EVENT / MQWT1 X	- 🗆	🙀 Message Descrip	tor	
Linux		^		Data 1 - 50		Field	Value	
Solaris			1 2	Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_ Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_				^
Windows	♥		3	Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_FULL; Event Type=MQCMD_PERFM_EVENT; Reason=MQRC_Q_DEPTH_				
MQTEST01	L1					CCSID Correlation ID Correlation ID in Hex		
MQWC1 remot	e - No Exit					Data Length		

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

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

Message Edit File Edit Message View Help			×
	1 1 M 😧		
View <u>Event</u> Hex Data	essage	med Properties	More :
HEX Data MQIA_TIME, MQIA_HIGH MQIA_MSG_	_OBJECT_NAME/MQCA_BASE_Q_N _SINCE_RESET	MQWT1 SYSTEM.ADMIN.COMMAND.EVENT 13275 4000 3833 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 Me	ssage Prope	erties	: View F	avorites Tools Help			
📔 🛛 🖳 🚺	B B   4			) 🗚 🚊 📆 🔀 🕡			
(C) Queue Managers			TES	T.Q1/MQWT1 ×	- 🗆	🕌 Message Descrip	itor
Linux		^		Data 1 - 50		Field	Value
Solaris			1	SAPHOODOOOOOOOOUMQSTR 0000		Accounting Token Application Identity	<b>^</b>
Windows	$\bigtriangledown$					Application Origin D	
Laptop - MQWL1						Backout Count Coded Character S	
A MQWC1						Correlation ID	
MQWC2						Correlation ID in Hex	
MQWT1	d mark					Data Length	

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

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

*	Message Edit											×
Fi	ile Edit View Help	р										
	<b>1</b>	[	) I <b>I</b>									
	View	Ì	🌖 MQHSAP	Message	Descriptor							
			SAP Header									
	R3/SAP		Header Length:	108	Encoding:	273	Flags:	0	Hostname:			
	010110 110011 100100 0001		Format:	MQSTR	CCSID:	437	System Number:	00	Client:			
	101000		User ID:		Password:		Language:					
	Hex Data		Message Data:	4								
	04		1 EDI_DC40	35.30 1/2 WS	CMDT	46C 6002	Z	<b>100</b> 1	dr.00281	Ŀ	s	
	EBCDIC HEX Data		R1 LS		D							SAPD

# 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									X
le Queue Topic Me	ssage Pro	pertie	View	Favorites Tools Help					
P 2 🖌 🕻	3 6	Y		) 🗚 👜 📆 🔀 🤇					
(C) Queue Managers			TE:	ST.Q1/MQWT1 ×		- 🗖	Message Descrip	tor	
Linux		^			a 1 - 50		Field	Value	
Solaris			1	IIH 000000T0000000	0000	) • • (i	Accounting Token Application Identity		-
Windows	$\bigtriangledown$		-				Application Origin D		
🛃 Laptop - MQWL1							Backout Count	0	
MOWC1								437	
MQWC2								AMQ MBHU1 ?o	
MQWC2 MOWT1							Correlation ID in Hex	414D51204D42485	11
MOWT1 - Test Ser	1						Data Length	249	

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

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

🐐 Message Edit		x
File Edit View Hel	p	
<b>1</b>	[] =	
View	MQIIH Message Descriptor	
IMS IMS Hex Data EBCDIC HEX Data	IMS Information Header         Header Length:       84 Encoding:       273 Flags:       0 Tran State:         Format:       MQIMSVS       CCSID:       0 LTerm Override:       Commit Mode:       0         MFS Map Name:       Reply To Format:       MQIMSVS       Authenticator:       Security Scope:       C         Tran InstanceId:	
	Message Data:	

# 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:

TEST.Q1 on MQWT1									- D X
File Queue Topic Me	ssage Pro	opertie	s View I	Favorites Tools Help					
		۳.	/[	) 🗚 📄 🄁 🔀 🞯					
Queue Managers			TE:	ST.Q1/MQWT1 ×			- 🗖	Hessage Descrip	tor
Linux		^		Data 1				Field	Value
Solaris			1	RFH 00000070000000µMQSTR	DDDDMQPSCommand	RegSu b	MQPSTopic ttt	Accounting Token Application Identity	^^
Windows	$\bigtriangledown$							Application Origin D	
🛃 Laptop - MQWL1								Backout Count	
MQWC1								Coded Character S	
MQWC2								Correlation ID	
MOWT1								Correlation ID in Hex	
MOWT1 - Test Ser	d Evit							Data Length	

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

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

4	Message Edit	
F	ile Edit View Help	
	<b>1</b>	
	View	MQRFH Message Descriptor
	3	Rules and Formatting Header v1
	RFH	Header Length: 63 Encoding: 273 Flags: 0
	010110 110011 10000 0001	Format: MQSTR CCSID: 437
		NameValueString:
	Hex Data	MQPSCommand RegSub MQPSTopic
	01	
	EBCDIC HEX Data	Message Data:
		1 Ltt 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							- • ×
File Queue Topic Me	ssage Prop	perties	s View I	Favorites Tools Help			
	₿₿∥	4	/[	) 🗚 🚔 🛃 🔏 🞯			
(C) Queue Managers			TES	ST.Q1/MQWT1 ×		 Message Descrip	tor
Linux		^		Data 1		Field	Value
Solaris			1	RFH 000000010000000µMQSTR RFH 000000010000000µMQSTR	0000000,000 <mcd><msd> 0000000,000 <mcd><msd></msd></mcd></msd></mcd>	Accounting Token Application Identity	»Ú é"-Ûë 🔺
Windows	~		3	RFH 000000100000000000000000		Application Origin D	
Laptop - MQWL1						Backout Count Coded Character S Correlation ID	0 437 
MQWC2 MQWT1	od Esste					Correlation ID in Hex Data Length	000000000000000 725

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

The MQRFH2 header has been parsed into easy to read fields.

🐐 Message Edit	
File Edit View He	lp
1 😫 🐺 👼	
View RFH2 Hex Data EBCDIC HEX Data	Image: State Stat
	<pre><jms><jms_pl>THis is a value for jl</jms_pl><jms_p2>this is another value</jms_p2></jms> USR Folder: uSR Folder: USR Folder: USR Folder: 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 machine or another; nearby or on the other ironment. MQSeries handles communication in a distributed environment such as this using D istributed Queue Management (DQM). </pre>

# 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 MQWT1		
File Queue Topic Message Propertie	s View Favorites Tools Help	
📔 🔁 🔜 🚯 📕 🦌	Z 🗊 🗚 🖨 🄁 🔏 📀	
( Queue Managers	CSQ6.XMIT / MQWT1 X	_ 🗖 🔛 Message Descriptor
Linux 🛆 🔺	Data 1 - 50	Field Value
Solaris 🛆	1 XQH DDDDTEST.Q1	CSQ6 Accounting Token Application Identity
Windows		Application Origin D
By Laptop - MQWL1		Backout Count
MOWC1		Coded Character S
MQWC2		Correlation ID
MOWT1		Correlation ID in Hex
A MOM/T1 Test Sond Exit		Data Length

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

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

🐝 Message Edit		x
File Edit View Help		
<b>1</b>		
View Xmit Hex Data EBCDIC HEX Data	Y       MQXMIT       Message Descriptor         Transmission Queue Header       Remote Q Name:       TEST.Q1         Remote Q Manager Name:       CSQ6         Message Descriptor       Update         Message Descriptor       Update         Message Data:       Image: Test message going to the mainframe queue manager.	

# 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	L		/	 ~	0	
TEST.BAD on MQWT1						
le Queue Topic Mes	sage Propertie	es View F	avorites Tools Help			
🕨 🏹 🕒 🖡	6 B   <b>%</b>		) 19 👼 🌄 🔀 💿			
(C) Queue Managers		TES	T.BAD / MQWT1 X	- 🗆	Message Descript	or
Linux	△ ^		Data 1 - 50		Field	Value
Solaris		1 2	BMH 000000000000000000000000000000000000		Application Identity	
Windows					Application Origin D Backout Count	
Laptop - MQWL1					Coded Character S	
MQWC2 MQWT1	15-0				Correlation ID in Hex Data Length	

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

🐐 Messag	🐐 Message Edit									
File Edit	File Edit View Help									
View		SMQBAD	Message Descr	iptor						
		SAP Bad Message Hea	der							
SM	QBAD	Reason Code:	4109							
9	10110 10011 01000 001	Reason Text:	INVALID_MES	SAGE_LENGT	ГН	More				
	_	Error Type	1	Format:	MQHSAP	Encoding:	273			
He	x Data	Put Date:	050408	Put Time:	1/16/03M	CCSID:	1208			
	11.8	Put-Application Type:	MQAT_JAVA		<b>•</b>					
EBCDIO	HEX Data	Put-Application Name:	Websphere M	Q Client for .	Java					
		SAP Header								
		Header Length:	108	Encoding:	273	Flags:	0	Hostname:		
		Format:	MQSTR	CCSID:	1208	System Number:	00	Client:		
		User ID:		Password:		Language:				
		Message Data:								
		1 EDI_DC40		460	. <b>6622</b> , 4833	0.00.000			ROMER	
			and the second	U.			SAR	LS LS	K	SAPI
		R1 LS MMR								
		H_ORD_MELOOM	10.0		0000	0.0000000000000				E
		K01070	D	K11 .	20010107024	01070702-00		È DKK		D

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

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.

9 - INVALID_MESSAGE_LENGTH		-
The length of the inbound	message is invalid for an IDoc.	
Amend IDoc data.		
	OK Cancel	

# 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						
File Queue Topic Me	sage Properti	es View	Favorites Tools Help			
	5 <b>6</b> 14		) 🗚 👼 🎵 🔏 🔞			
( Queue Managers		U TE	EST.Q1/MQWT1 X	- 🗆	🙀 Message Descrip	tor
Linux	△ ^		Data 1 - 50		Field	Value úæl Õê€Â ▲
Solaris		1	DH CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		Accounting Token Application Identity	
Windows					Application Origin D	
A Laptop - MQWL1 MQWC1 MQWC2 MQWT1					Backout Count Coded Character S Correlation ID Correlation ID in Hex Data Length	0 437  00000000000000 48

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

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

🏶 Message Edit	
File Edit View Help	
View Distribution Distribution Hex Data	MQHDIST       Message Descriptor         Distribution Header
EBCDIC HEX Data	Message Data:

# 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						<b>— — X</b>
File Queue Topic Mess	age Propertie	s View F	avorites Tools Help			
			) 😤 🗮 🚬 🔀 💿			
Queue Managers		TES	T.Q1/MQWT1 X	- 🗆	Message Descrip	tor
Linux	△ ^		Data 1 - 50		Field	Value
Solaris		1	DH 000000000000000000000000000000000000		Accounting Token Application Identity	úæl Õê€Â ▲
Windows					Application Origin D	
Laptop - MQWL1					Backout Count	0
MQWC1					Coded Character S Correlation ID	
MQWC2					Correlation ID in Hex	0000000000000
MQWT1	Evit					48

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

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

🍀 Message Edit		×
File Edit View Help		
😫 🐺 👼		
View	MQHDIST         Message Descriptor           Distribution Header	
Hex Data	Records Present:     0       Object Record Offset:     0       Put Message Records     0       Fields     1     Offset:     0	
EBCDIC HEX Data	Message 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:

STEST.Q1 on MQWT1								_ <b>D</b> X
File Queue Topic Me	ssage Propert	ies View	Favorites Tools Help					
🕨 😂 🖪 🖺 🎽 💋 🗊 🛤 📾 🄁 🔏 🔞								
Queue Managers		U TE	ST.Q1/MQWT1 ×			- 🗖	🙀 Message Descrip	tor
Linux	^		Data 1 -				Field	Value
Solaris		1	RMH 000000000000000000000000000000000000	0000			Accounting Token Application Identity	úæl Õê€Â ▲
Windows	$\bigtriangledown$						Application Origin D	
Laptop - MQWL1 MQWC1 MQWC2							Backout Count Coded Character S Correlation ID	
MOWT1	d Evit							00000000000000000000000000000000000000

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

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

Message Edit
ile Edit View Help
View WOHREF Message Descriptor
Reference Message Header           Header Length:         108         Encoding:         273         Flags:         0
Format: MQSTR CCSID: 437 Object Type:
Object Instance Id: Source Environment Length: 0 Offset: 0
EBCDIC HEX Data Source Object
Destination Environment
Length: 0 Offset: 0
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							- • ×
ile Queue Topic Me	ssage Pro	perties	View F	avorites Tools Help			
🕨 22 🖪 🛛	<b>B B</b>	۳.		🗚   👼 📆   🔏   🕖			
(C) Queue Managers			TES	T.Q1/MQWT1 X	- 🗖	Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
Solaris			1	TM 0000qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	qqqqPPPPPPPPP	Accounting Token Application Identity	úæl Õê€Â ∡
Windows	$\bigtriangledown$					Application Origin D	
Laptop - MQWL1						Backout Count	0
MQWC1						Coded Character S	437
MQWC2						Correlation ID	
MOWT1							00000000000000
MOWT1 - Test Ser	od Evit					Data Length	684

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

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

le Edit View Help			
<b>%</b>			
View		Message Descriptor	
Trigger Message	Process Name:	1 TEST.Q27 TEST01.PR abc	
EBCDIC HEX Data	Application Type: Application Id: Environment Data: User Data:	28 XyZ	

# 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 Mes	File Queue Topic Message Properties View Favorites Tools Help							
Queue Managers		TES	ST.Q1/MQWT1 X		- 🗆	🙀 Message Descrip	tor	
Linux	^		Data 1 -			Field	Value	
Solaris		1	WIH 000000000000000000000000000000000000	DDDDserviceNameeeeeee	eeeeeeeeeeeeeeee	Accounting Token Application Identity	úæl Õê€Â ▲	
Windows	$\bigtriangledown$					Application Origin D		
Auguration - MQWL1						Backout Count Coded Character S Correlation ID	437	
MQWC2 MQWT1 MOWT1 - Test Seni	d Evit						00000000000000	

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

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

🏶 Message Edit		X
File Edit View Help		
<b>₽₽₽0</b> = 1		
View MQHWI Message Data Wex Data Hex Data EBCDIC HEX Data	ation Header th: 120 Encoding: 273 Flags: 0 MQSTR CCSID: 473 e: serviceName :: serviceS	
	ANG- RANAD MESAGE INGON The length of the inbound message is invalid for an IDoc. Amend IDoc data.	
	OK Cancel	

# 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:

🐐 TEST.Q1 on MQWT1								_ <b>D</b> _ X	
File Queue Topic Mess	age Pro	pertie	s View F	avorites Tools Help					
		۳.		) 🗚 🚊 📆 🔏 💿					
🔇 Queue Managers			TES	T.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 ba	Application Identity		11
Windows			3	In MQSeries, intercommunication	n means sending mess	ages from one qu	Application Origin D		
Aptop - MQWL1							Backout Count		
MOWC1							Coded Character S		
MQWC1							Correlation ID		
MOWT1							Correlation ID in Hex		
MOWT1	<b>F</b> . (1)						Data Length		

From the main panel of MQ Visual Browse, 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.

Properties for Me	ssage		×
<u>F</u> ile <u>H</u> elp			
<b>9</b>			
🙀 Message D	escriptor Named Prop	perties	
Ó	General		
General	Message Type:	MQMT_DATAGRAM -	
	Message Priority:	0	
Report	Message Persistence:	MQPER_PERSISTENT	
7	Put Date:	2016-09-18	
	Put Time:	18:48:41.500	
Context	Expiry Interval:	Unlimited	
N 1	Reply-To Queue:		
Identifiers	Reply-To Queue Manager:	MQWT1	
	Backout Count:	0	
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.

erties for Message			
Message Descriptor	ed Properties		
Name	Value	Property Type	
JMSPriority	0	String	
JMSDestination	queue:///TEST.Q1	String	Add
mcd.Msd	jms_text	String	Edit

### 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 MQWT1							
File Queue Topic Messa	ge Proj	perties	S View Fi	avorites Tools Help			
		4		#   🚔 📆   🔏 💿			
Queue Managers			TEST	.Q1/MQWT1 X	- 🗖	🙀 Message Descrip	tor
Linux Solaris		*		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	WebSphere MQ bas	Application Identity	
Windows			3	In MQSeries, intercommunication means sending mess	ages from one qu	Application Origin D	
Laptop - MQWL1						Backout Count	
MOWC1						Coded Character S	
						Correlation ID	
MQWC2	_					Correlation ID in Hex	
MOWT1 Test Sond F						Data Length	

From the main panel of MQ Visual Browse, 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 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					X
File Queue Topic Message Properties View Favorites Tools H	lelp				
📔 🔁 😖 🕼 🔳 🦌 🖉 📾 📾					
Queue Managers     TEST.Q1/MQWT1 >			🙀 Message Descript	or	
Linux	Data 1 - 50		Field	Value	
1 Charles John	Huffham Dickens, 1812-1870Charles D ickens led a		Accounting Token		
	classes for Java (also referred to as WebSphere )		Application Identity		
Windows In MQSeries,	intercommunication means sending mess ages from o	ne qui	Application Origin D		
Laptop - MQWL1	sage Descriptor		Backout Count		
MOWC1			Coded Character S		
	age ID: AMO MQWT1 ,34ÖW >		Correlation ID Correlation ID in Hex		
MQWT1	age ID: AMQ MQWTT , 140W >		Data Length		-
NQWT1 - Test Send Exit Hex Da	a: 414D51204D5157543120202020202020202CBED65720003E04		Encoding		-
Agence MQWT1 remote			Expiry Interval		-
	elation ID:		Feedback Code		
MQWT1 remote - No Exit MOWT1 remote - Sett leartd	a.		Format		
a high i feilide - Seusei Iu	•		Group ID		
MQWT2 Grou	p ID:		Group ID in Hex		
MOWIZIemote			Logical Sequence N		
Hex Da	a:		Message Flags		
MOWT3 - Test Send Exit	ID:		Message ID		_
MQWT3 remote			Message ID in Hex		
MOWT3 remote - MQCT	ication Identity Data:		Message Type Offset		- 11
MOWT3 remote - No Exit			Offset Original Length		- 11
App MQWT3 remote - SetUserId	ication Origin Data:		Persistence		- 11
🚑 Vista - MQWV1_64	at		Priority		- 11
🛃 Vista - MQWV1_64 - S			Put-Application Name		- 11
	IS		Put-Application Type		
Ca	se Sensitive		Named Properties		
Field Value			Name	Value	
Current Depth 0	OK Cancel				
Maximum Depth 50000					

### 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 MQWT1							
File Queue Topic Messa	ge Pro	pertie	s View Fi	vorites Tools Help			
		۳.		) 🙈 🖶 🔀 💿			
Queue Managers			TEST	.Q1/MQWT1 X _		📕 Message Descript	tor
Linux Solaris		^		Data 1 - 50		Field	Value
	_			Charles John Huffham Dickens, 1812-1870Charles D ickens led a			
Solaris				WebSphere MQ classes for Java (also referred to as WebSphere MQ			
Windows	$\bigtriangledown$		3	In MQSeries, intercommunication means sending mess ages from one	qu		
Laptop - MQWL1						Backout Count	
MOWC1						Coded Character S	
MQWC1						Correlation ID	
MOWC2						Correlation ID in Hex	
MOWT1 Test Sond F						Data Length	

From the main panel of MQ Visual Browse, 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:	
Hex Data:	
Correlation ID:	
Hex Data:	
Group ID:	
Hex Data:	
🔲 User ID:	
Application Identity Data:	
Application Origin Data:	
Format	
Options	
Case Sensitive	
	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.

id 📃 📉
Bottom of queue reached. Search string not found.
OK

### 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 MQWT1					
File Queue Topic Mess	age Propert	ies View	avorites Tools Help		
	<b>.</b>		) 🗚 📾 🛃 🔀 🞯		
Queue Managers		Т	5T.Q1/MQWT1 X	Message Descrip	otor
Linux	^		Data 1 - 50	Field	Value
Solaris	~	1	Charles John Huffham Dickens, 1812-1870Charles D ickens led a ver		A
Solaris		2	WebSphere MQ classes for Java (also referred to as WebSphere MQ ba In MQSeries, intercommunication means sending mess ages from one qu		
Windows	$\bigtriangledown$	3	In moseries, incercommunication means sending mess ages from one qu	Backout Count	
🛃 Laptop - MQWL1				Coded Character S	
A MQWC1				Correlation ID	
MQWC2				Correlation ID in Hex	
MQWT1	Evit			Data Length	

From the main panel of MQ Visual Browse, 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 MQWT1													<b>x</b>
File Queue Topic Mess	age Prope	erties	View Fa	avorites T	ools Help								
					i 🔁	8							
Queue Managers				r.q1/mqv	VT1 X					-	🗖 🚂 Message (	Descriptor	
Linux		^		Report		Expiry	Feedback	Encoding	CCSID	Format	Field	Value	
			1	None		Unlimited		273	437	MQSTR	Accounting Tok		
Solaris		_	2	None	Datagram	Unlimited	0	273	437	MQSTR	Application Ider	ntity	
Windows			3	None	Datagram	Unlimited	0	273	437	MQSTR	Application Orig	in D	
											Backout Count		
Laptop - MQWL1											Coded Characte	er S	
MQWC1											Correlation ID		
MQWC2	_										Correlation ID in	n Hex	
MQWT1	Ev.4										Data Length		

### 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 MQWT1												
ile Queue Topic Mes	ssage Pro	opertie	View F	avorites 1	Fools Help							
P 2 P	5 6	۳.,			1	8						
🔇 Queue Managers			TES	T.Q1/MQ\	WT1 X					- 5	Message Descrip	otor
Linux				Report	MsgType	Expiry	Feedback	Encoding	CCSID	Format	Field	Value
			1	None	Datagram	Unlimited	0	273	437	MQSTR	Accounting Token	
Solaris	$\bigtriangleup$		2	None	Datagram	Unlimited	0	273	437	MQSTR	Application Identity	
Windows	$\bigtriangledown$		3	None	Datagram	Unlimited	0	273	437	MQSTR	Application Origin D	
											Backout Count	
Laptop - MQWL1											Coded Character S	
MQWC1											Correlation ID	
MQWC2											Correlation ID in Hex	
MQWT1 MOWT1 - Test Sen	d Evit										Data Length	

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

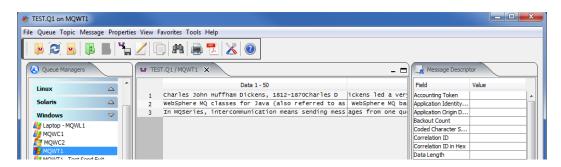
The main panel main panel may look something like:

🐐 TEST.Q1 on MQWT1					- D X
File Queue Topic Message Prope	erties View	avorites Tools Help			
📔 🔁 🛃 📑 📕 🎽	L 🖊 🕻	) 🗚 🚔 📆 🔀 🕖			
( Queue Managers		T.Q1/MQWT1 X	- 5	🙀 Message Descrip	tor
Linux 🛆	^	Data 1 - 50		Field	Value
Solaris 🛆	1	Charles John Huffham Dickens, 1812-1870Charles WebSphere MQ classes for Java (also referred			<u> </u>
Windows 🗢	3	In MQSeries, intercommunication means sending	mess ages from one qu	11 ···	
🛃 Laptop - MQWL1				Backout Count	
MOWC1				Coded Character S	
MOWC2				Correlation ID	
MOWT1				Correlation ID in Hex	
A MOWITI Test Cond Exit				Data Length	

# 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:



From the main panel of MQ Visual Browse, 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 in Hex Data Length Encoding Expiry Feedback Flags Group ID Group ID in Hex Message ID Message ID Message ID in Hex	Add > < Remove Add All >> << Remove All	Displayed Columns: Put Date Put Time Format Priority Persistence User ID	Save	Move Up Move Down

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 Browse supports 3 different types of user formats:

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

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

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

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

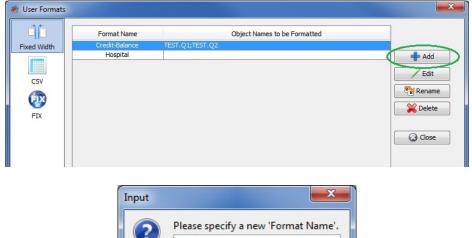
# **10.1 Fixed Width Format**

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.

	^
Cobol Copybook	
File Name	Erowse
Scan Cobol Copybook using columns: Start Position: 6 v End Position: 71 v	
Prefix	
	🖉 Load
Prefix group name to the field name	E Load

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.

嵡 Fixed Width Layout : Testttt					×
Field Name	Field Type	Start	Length	Type for Table Sorting	
				(	Add
					Edit
					💥 Delete
					1 Move Up
					Hove Down
					📌 Import
					Save
					Close
Remove first (header) row from data					
Record Separator: New Line 🗸 🗸					
Object Names to be Formatted:				😂 Update	
				opuate	

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 Definiti	on X
Field Name:	Last
Туре:	String ~
Endianness:	Little $\checkmark$
Start Position:	1
Length:	20
Type for Table Sorting:	String ~
	V OK OK

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
. 🖤 🗌			🔀 Delete
FIX			
FIX			Close
			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.

Field Name	Field Type	Start	Length	Type for Table Sorting	
st	String	1	10	String	
st	String	11	10	String	📥 Add
ldress	String	21	25	String	
ty	String	46	25	String	🖊 Edit
ov/State	String	71	25	String	<b>M</b>
ountry	String	96	25	String	💥 Delete
					Move Down
Remove first (header) row from data cord Separator: New Line					
•				😂 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.

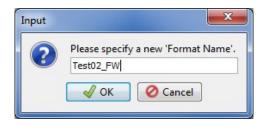
### 10.1.3 Rename a Fixed Width Format

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		
CSV			Edit
-			Rename
			🔀 Delete
FIX			
			Close

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



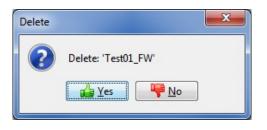
### 10.1.4 Delete a Fixed Width Format

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		
CSV			Edit
-			Rename
			Delete
FIX			Delete
			Close

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



# 10.2 CSV Format

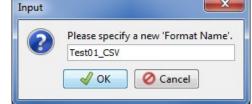
This section will describe how to add, edit and delete CSV (Comma Separated Value) formats.

## 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
			1 Move Up
			Hove Down
			Save
			🐼 Close
	ve first (header) row from data		
	niter: Comma V Record Separator: New Line V		
	imes to be Formatted:		
		📬 Update	e

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.

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

	Column Name	Type for Table Sorting	]
1	First Name	String	1
2	Last Name	String	📥 💠
3	Address	String	
4	City	String 🤇	🖊 Edit
5	State	String	<b>M</b> -11
6	Zip Code	String	💥 Delete
			Move Up
			Save
d Delir	ove first (header) row from data niter: Comma V Record Separator: New Line V ames to be Formatted:		]
		😂 Update	

## 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.

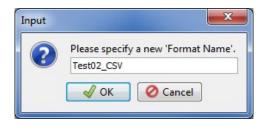
# 10.2.3 Rename a CSV Format

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			
			217

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



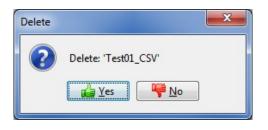
# 10.2.4 Delete a CSV Format

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 🛛 💥 Delete
FIX			
			Close

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			×
Fixed Width	Format Name	Object Names to be Formatted	Edit Edit Rename X Delete
	Input	Please specify a new 'Format Name'. Test01_FIX V OK Orace	

## 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 L	ayout : Test02_FIX		×
	Column Name	Type for Table Sorting	]
		(	🕂 Add
			/ Edit
			💥 Delete
			Move Up
			Hove Down
			Save
			Close
Remo	ve first (header) row from data		
	iter: Comma 🗸 Record Separator: New Line 🗸		
Object Na	mes to be Formatted:	😂 Update	2

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

Please spe	cify a new 'Column Na	me'.	×
?	Column Name:	Data_01	
	Type for Table Sorting:	String ~	
	•	V OK Orancel	

## 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.

	Format Name	Object Names to be Formatted	
ixed Width	Test01_FIX		
			Add
		(	Edit
CSV			Rename
FIX			🔀 Delete

## 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.

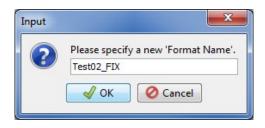
# 10.3.3 Rename a FIX Format

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			Rename
FIX			🔀 Delete
FIX			
			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			Rename
FIX			C X Delete
FIX			
			Close

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



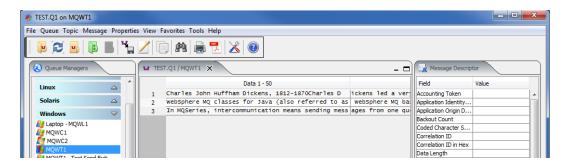
# **11 Favorites**

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 Browse, 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.

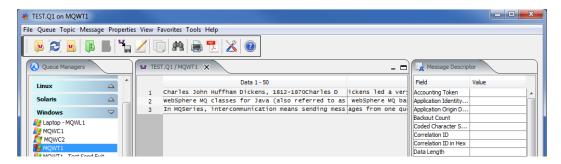
# 11.2 Open Favorite

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 Browse will look like:

1Q Visual Browse - Days remaining in subscription		<u></u>
Queue Topic Message Properties View Favor	ites Tools Help	
≥≈ B B B ½ ¥ B	m   8 1   🔏 💿	
Queue Managers		Message Descriptor
Linux	AT	Field Value
	JE -	Accounting Token
Solaris 🛆 🔤	tot	Application Identity
	A	Application Origin D
Windows		Backout Count
	and a	
Japtop - MQWL1	A.B.	Coded Character S
Laptop - MQWL1 MQWC1	and the second second	Coded Character S Correlation ID
Windows  Laptop - MQWL1 MQWC1 MQWC2 MOWT1	( The second sec	

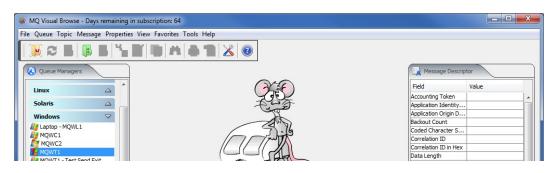
From the main panel of MQ Visual Browse, select **Favorite**, then click the favorite to be opened (i.e. 'TEST.Q1') and the queue will be opened.



# 11.3 Organize Favorite

This section will describe how to organize the user's list of favorites. MQ Visual Browse'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 Browse will look like:



From the main panel of MQ Visual Browse, 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.

Object Name	Queue Manager Access Profile	
TEST.Q2	MQWT1	
TEST1	MQWT1	
SYSTEM. DEAD. LETTER. QUEUE	MQWT1	
TEST.Q1	MQWT1	
u C5Q6	MQWT1	📄 🔛 Open
CAPITALWARE.TEST.QA01	MQWT1	
🕻 testTopic	MQWT1	🛛 💥 Delete
test/ABC/one	MQWT1	
		Move Up Move Down Save Close

# **12 Other Tools**

This chapter will describes how the other tools included with MQ Visual Browse.

# **12.1 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 Browse.

From the main panel of MQ Visual Browse, select Tools, then Hex Converter.

This is the main panel of the Hex Converter.

ile <u>E</u> dit <u>V</u> iew <u>T</u> o	ols <u>H</u> elp				
Input Value:					
5468697320697320	612074657	374206D6	5573736167	65	
Conversion Type: Convert Hex to Cha Output:	iracter 👻	Conv	vert		
	je				

- 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

# 12.2 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 Browse.

From the main panel of MQ Visual Browse, select **Tools**, then **Hex Editor**.

This is the main panel of the Hex Editor and it has 3 open files.

	E:\TestData e <u>E</u> dit <u>V</u> iew				_	001.	txt											
			Le						?									
	🗐 message	_000	1.tx	t 🗡	(		mes	sage	e.txt	х	0	one_r	ness	age_	_smal	l.txt	x	
	Address	0	1	2	3	4	5	6	7	8	9	Α	в	С	D	Е	F	Text
Γ	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
	00000030	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												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			61			74						ine or another;
	000000A0	6E																nearby or on the
	00000B0	20		74					73									other side of t
	000000C0	68	65		77		72											he world. It co
	000000D0	75	6C	64	20	62	65											uld be running o
	000000E0		20															n the same platf
	000000F0				20	61												orm as the local
	00000100	20		75	65	75	65		6D									queue manager,
	00000110			20														or could be on a
	00000120			20														ny of the platfo
	00000130		6D		20													rms supported by
	00000140	_	4D						65									MQSeries. This
	00000150	_	69		20				6C									is called a dis
	00000160	74			62													tributed environ
	00000170	6D																ment. MQSeries
	00000180	68		6E														handles communic
	00000190	61																ation in a distr
	000001A0	69			74				65									ibuted environme
	000001B0																	nt such as this
	000001C0	75	73	69	6E	67	20											using Distribute
	000001D0		20															d Queue Manageme
	000001E0																	nt (DQM). The lo
	000001F0	63		6C					75									cal queue manage
L	00000200	72	20	69	73	20	73	6F	6D	65	74	69	6D	65	73	20	63	r is sometimes c 🔻

Supported features:

- Open / editing of multiple files
- Recent File List
- Copy, Find and Find Next
- Save, Save As and Print

# 12.3 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 Browse.

From the main panel of MQ Visual Browse, 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: 15314 An error occurred receiving data from 'and the second	
15315 connection to the remote host has unexpectedly terminated.	
15316 15317 The channel name is 'MY.TEST.EXIT'; in some cases it cannot be determined and	
15318 so is shown as '????'.	
15319 ACTION: 15320 Tell the systems administrator.	
15321 amgccita.c : 4113 15322 8/24/2016 13:21:15 - Process(9852.1) User(	
15323 Host Host Installation(Installation1)	
15324 VRMF(8.0.0.4) 15325 AM09788: Slow DNS lookup for address '#98mb68v30.1987'.	
15326	
15327 EXPLANATION: 15328 An attempt to resolve address 'application' using the 'getnameinfo' function	
15329 call took 5 seconds to complete. This might indicate a problem with the DNS	
15330 configuration. 15331 ACTION:	
15332 Ensure that DNS is correctly configured on the local system.	
15333 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 15336 IP addresses have no valid reverse DNS entries. If the problem persists,	
15337 consider disabling reverse DNS lookups until the issue with the DNS can be	
15338 resolved. 15339 amgcrhna.c : 785	
15340 8/24/2016 13:21:15 - Process(9852.1) Use (Construction) Program(mytestx.exe)	
15341 Host(Conflexed) Installation(Installation1) 15342 VRMF(8.0.0.4)	
15343 AWQ9202: Remote host '102-450-404400 (1414)' not available, retry later.	
15344 15345 EXPLANATION:	
15346 The attempt to allocate a conversation using TCP/IP to host '1000200' and a second seco	
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: 15353 Try the connection again later. If the failure persists, record the error	
15354 values and contact your systems administrator. The return code from TCP/IP is	
15355 10061 (X'274D'). 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 '1 100 1280 (1414)' was not running. If this is the case, perform the	
15358 relevant operations to start the TCP/IP listening program, and try again. 15359 amgccita.c : 1209	
15360	*
Total Rows=15360 Wrap Text=Off Follow File=On	

Supported features:

- Opening of multiple files
- Wrap Text and Recent File List
- Copy, Find, Find Next and Print

# 12.4 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 Browse.

From the main panel of MQ Visual Browse, select **Tools**, then **Text Editor**.

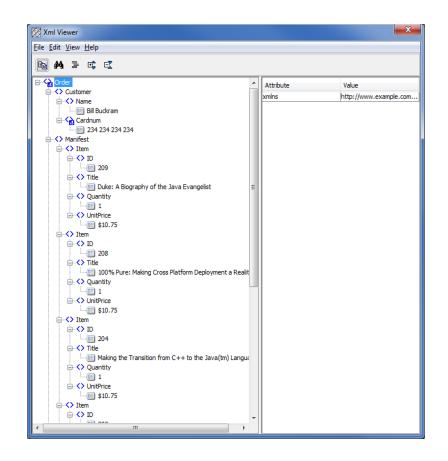
This is the main panel of the Text Editor and it has 3 open files.

ile Edit View Tools I	Jala	
ile <u>c</u> uit <u>v</u> iew <u>r</u> oois j	<u>1</u> eip	
<u>e</u> 🖻 🖥 🗖		
message_0001.txt 🗙	mqve_load_data_0001.txt X one_message_small.txt X	_ 1
	Huffham Dickens, 1812-1870	
4 full schedule 5 energy. In an 6 journalism and 7 numerous amaint 8 social life. 9 family and war 10 Victoria and 1 11 charitable or; 12 would walk lo 13 14 Although he hr 15 his novels shh 16 that probably 17 For example, 1 18 Charles was or 9 situation, his 20 debtor's pris; 21 warehouse.	ns led a very active life, always setting a for himself which he pursued with extreme didition to working on his novels, weekly d public readings, he produced and appeared in sur theatrical productions and had a busy He had a wide circle of friends, a large s admired by such different people as Queen Dostoevsky. He also was active in several ganizations. Ironically, for relaxation, he ng distances at a fast pace. ad a flamboyant and high-spirited personality, stems in part from his own life experiences. his father was imprisoned for indebtedness when nly 12. Because of their impoverished s whole family was forced to move into a on and Charles was sent to work in a blacking	
24 health. After 25 America, Dicko 26 public reading 27 not fully reco 28 while working	s, his busy schedule began to affect his - an exhausting tour of public readings in ens was left physically weakened. He continued his gs on his return to England even though he had overed. The result was that in June 1870. on his novel, Edwin Drood, Dickens suffered a fatal as buried in the Poet's Corner in Westminster	
31 32 1833 33 1833-1835 34 1834 35 1836-1837 36 1837 37 1838-1839 38 1840-1841	Reporter of parliamentary debates Sketches by Boz Morning Chronicle, reporter Pickwick Papers Oliver Twist Nicholas Nickleby The Old Curiosity Shop	
39 1841 40 1842 41 1843 42 1843 43 1843-1844 44 1846 45 1846-1848	Barnaby Rudge American Notes Beginning of the Christmas Book series A Christmas Carol Martin Chuzzlewit Editor of Daily News Dombey and Son	
46 1849-1850 47 1850s 48 1851-1853	David Copperfield Household Words, a magazine A Child's History of England	

Supported features:

- 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.



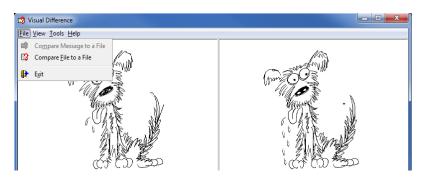
# 12.5 Visual Difference

This section will describe how to invoke and use the Visual Difference tool. The Visual Difference is a simple file to file comparison tool.

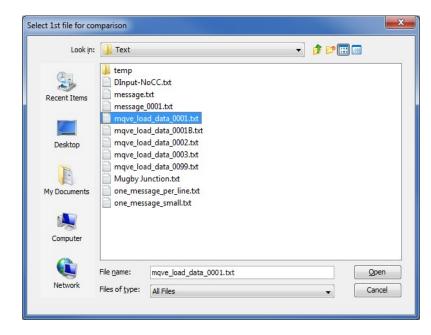
For the Other Tools, you can have unlimited number of them running (up to what your box can support). Also, while any of the Other Tools are running, the user can still use MQ Visual Browse.

From the main panel of MQ Visual Browse, select Tools, then Visual Difference.

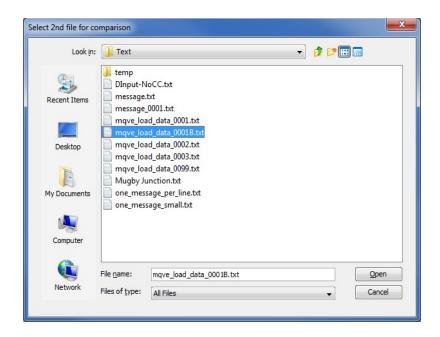
This is the main panel of the Visual Difference. To initiate the file comparison process, click File and then click Compare File to File



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.

😫 Visual Difference	
<u>File View T</u> ools <u>H</u> elp	
E:\TestData\Text\mqve_load_data_0001.txt	E:\TestData\Text\mqve_load_data_0001B.txt
000: Charles John Huffham Dickens, 1812-1870 🔹 🔺	000: Charles John Huffham Dickens, 1812-1870
001:	001:
002: Charles Dickens led a very active life, always se	002: Charles Dickens led a very active life, always
003: full schedule for himself which he pursued with e	003: full schedule for himself which he pursued with
004: energy. In addition to working on his nov	004: energy. In addition to working on his nov
005: journalism and public readings, he produced and a	005: journalism and public readings, he produced and
006: numerous amateur theatrical productions and had a	006: numerous amateur theatrical productions and had
007: social life. He had a wide circle of frie	007: social life He had a wide circle of t
008: family and was admired by such different people a	008: family and was admired by such different people
009: Victoria and Dostoevsky. He also was active in s	009: Victoria and Dostoevsky. He also was active in
010: charitable organizations. Ironically, for relaxa	010: charitable organizations. Ironically, for rela
011: would walk long distances at a fast pace.	011: would walk long distances at a fast pace.
012:	012:
013: Although he had a flamboyant and high-spirited pe	013: This is a test.
014: his novels show a distinctive blend of comedy and	014:
015: that probably stems in part from his own life exp	015: Although he had a flamboyant and high-spirited
016: For example, his father was imprisoned for indebt	016: his novels show a distinctive blend of comedy a
017: Charles was only 12. Because of their impoverish	017: that probably stems in part from his own life e
018: situation, his whole family was forced to move in	018: For example, his father was imprisoned for inde
019: debtor's prison and Charles was sent to work in a	019: Charles was only 12. Because of their impoveri
020: warehouse.	020: situation, his whole family was forced to move
021:	021: debtor's prison and Charles was sent to work in
022: In later years, his busy schedule began to	022: warehouse.
023: health. After an exhausting tour of public	023:
024: America, Dickens was left physically weake	
025: public readings on his return to England e	
026: not fully recovered. The result was that	
027: while working on his novel, Edwin Drood, D	
028: stroke. He was buried in the Poet's Corne	
029: Abbey.	
030:	
031: 1833 Reporter of parliamentary	
032: 1833–1835 Sketches by Boz	
033: 1834 Mornina Chronicle. reporte	
4	<

# 12.6 XML 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 Browse.

From the main panel of MQ Visual Browse, select **Tools**, then **XML Editor**.

This is the main panel of the XML Editor and it has 3 open files.

E:\TestData\XML\book-order2.xml		
ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp		
🖆 🔚 📫 👘 👭 🤻 🗞 🛪 🕷	<b>t</b> 7   .   0	
book-order2.xml × message_0001.xml × mes	sage_0004.xml 🗙	- 🗆
Customer	Attribute xmlns	Value
<> Name └ Bill Buckram		ntp://www.cxdnipic.com
Cardnum		
Manifest     Item		
⊡		
☐ - <> Title Duke: A Biography of the Java Evangeli		
interice interiore interiore \$10.75		
⊡ V Item □ V ID		
208		
I ⊡ ≺> UnitPrice		
<> ID 		
Title Making the Transition from C++ to the :		
Quantity □		
UnitPrice		

Supported features:

- Open / editing of multiple files
- Recent File List
- Copy, Find and Find Next
- Save, Save As and Print

# **13 Miscellaneous**

This chapter will describes how the miscellaneous features of MQ Visual Browse.

# 13.1 Preferences

This section will describe how to change / update your preferences for MQ Visual Browse.

From the main panel of MQ Visual Browse, select **File** then **Preferences**. The user will be presented with a popup window that has 5 panels.

Preferences		×
General	General Start the tools in a separate JVM. Settings Directory: C:\Users\capitalware Browse	
Main Window	Date and Time Formatting Date Format: Example:	
Edit Window	yyyy/MM/dd ~ 2021/03/25	
MQ General	Time Format: Example: HH:mm:ss.SSS V 18:54:28.983	
MQ Queue	Font Sizes       Variable Width:       12       V       Fixed Width:       12	
MQ Topic	Networking Properties for Internet Connectivity	
	Proxy Host 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 Browse will store the CommProfileDB.properties file. The CommProfileDB.properties file contains all of the information necessary to connect to a queue manager (remote or local).

#### Date and Time Formatting:

- **Date Format** User selectable date format to be used when displaying a date within MQ Visual Browse.
- **Time Format** User selectable time format to be used when displaying a time within MQ Visual Browse.

#### Font Sizes:

- Variable Width The font size to be used for all variable width fonts in MQ Visual Browse.
- Fixed Width The font size to be used for all fixed width fonts in MQ Visual Browse.

#### Networking Properties:

- Enable Proxy Server MQ Visual Browse 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		×
Seneral General Main Window Edit Window KQ General MQ Queue	Main Window       Top         Position of the toolbar in the Main window       Top         Size of each column (10-1024)       50         Background image:       Default         Display Docks in Main window       Tele Browse         Display Docks in Main window       Tele Browse         Show 'Queue Managers' dock       Show 'Status' dock         Show 'Message Descriptor' dock       Show 'Message Descriptor' dock         Show 'Named Properties' dock       Position of Docks in Main window	×
<	Position of 'Queue Managers' dock Top Left  V	
MQ Topic	Position of 'Status' dock     Bottom Left     V       Position of 'Message Descriptor' dock     Top Right     V	
	Position of 'Named Properties' dock $$\rm Bottom\ Right\ \checkmark$$	

## 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 Prope

🌸 Preferences	
General Main Window	Edit Window Options
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 Ocancel Set Defaults

#### Edit Window Preferences:

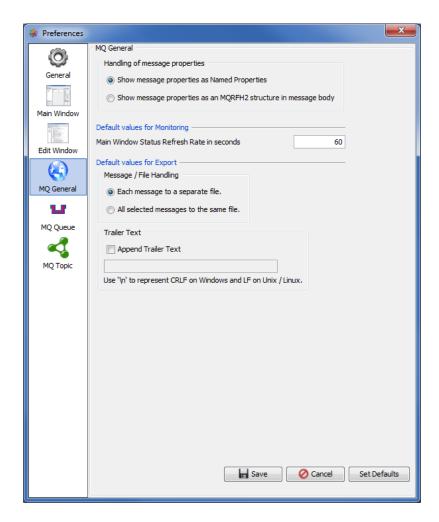
- Wrap text in Message Edit Window Set the default action for 'Wrap Text' in the Message Edit window.
- Show line numbers in Message Edit Window Set the default action for 'line numbers' in the Message Edit window.

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.



## 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		×
Ô	MQ Queue	
General	Warn if queue is empty.	
	If the message data is larger than 'Maximum size of each message' field:	
Main Window	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 *	
MQ General	Queue Type for List Queues All 🗸	
L.	Queue Prefix for Temporary Dynamic Queues CSQ	
MQ Queue	Default values for Open Queue	
	Convert on Get     Maximum size of each message to retrieve     100,000	
MQ Topic	Maximum size of each message to retrieve         100,000           Maximum number of messages to retrieve         1,000	
ing topic	Default values for Backup Queue	
	File Format	
	Backup messages to SQLite database	
	O Backup messages to VEQ formatted file	
	File Handling	
	Create a new Backup File	
	O Append messages to Backup File	

#### 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 Browse 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 feasable 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.

#### 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.

🏶 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	Default values for List Topic Show System Topics Mask for List Topics #
MQ Queue	Default values for Open Topic          Image: Convert on Get         Maximum size of each message to retrieve         1000000
MQ Topic	Default values for Backup Topic         File Format <ul> <li>Backup messages to SQLite database</li> <li>Backup messages to VEQ formatted file</li> </ul> File Handling <ul> <li>Create a new Backup File</li> <li>Append messages to Backup File</li> </ul>
	Save Cancel 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 Queues The user can set the default value for 'Show System Queues'.
- Mask for List Queues The user can set the default value for 'Mask for List Queues'.

#### **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.

## **Default values for Backup Topic:**

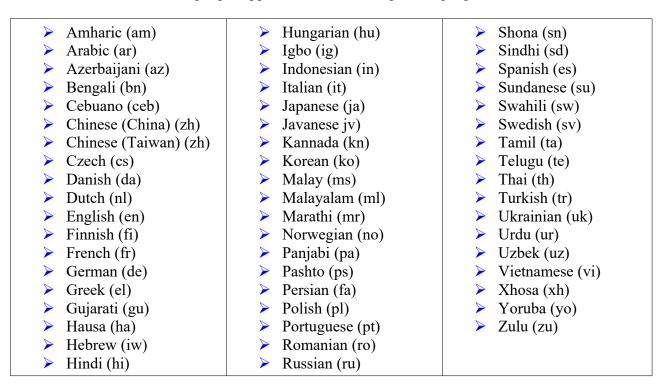
- Backup File Format The user can select either SQLite database or VEQ formatted file.
- **Backup File Handling** The user can select either to create a new Backup file or Append the messages to an existing Backup file.

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.

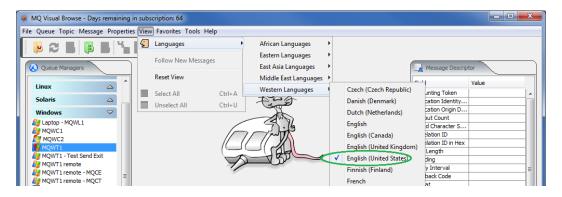
-		
1	Preferences Saved	
	OK	

# 13.2 Language

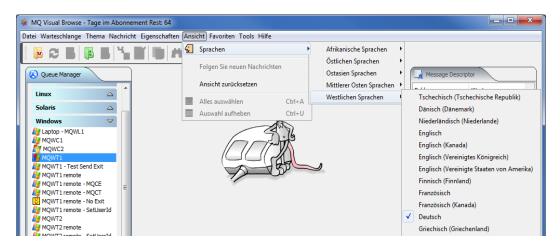
This section will describe how to switch MQ Visual Browse's Language Text to another Language Text. MQ Visual Browse has been designed to support Java's multi-language environment. Currently, MQ Visual Browse has full language support for the following 55 languages:



From the main panel of MQ Visual Browse, select View, then Language.



As an example, the user can select German as the Language Text to be used for MQ Visual Browse and then the display would look like:



# 13.3 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 📃 🗖 📈 🔀							
File Queue Topic Message Properties View Favorites Tools Help							
E C       B    1    C  / C    X    K    B    B    B    K    0							
Queue Managers			< tes	t/ABC/one / MQWT1 ×	- 🗖	Message Descrip	tor
Linux		^		Data 1 - 50		Field	Value
			54	{300} Your lucky number today is 9466		Accounting Token	
Solaris			53	{300} Your lucky number today is 3186		Application Identity	
Windows			52	{300} Your lucky number today is 3770		Application Origin D	
	-		51	{300} Your lucky number today is 1927		Backout Count	
Laptop - MQWL 1			50	{300} Your lucky number today is 784		Coded Character S	
MQWC1			49	{300} Your lucky number today is 2970		Correlation ID	
MQWC2			48	{300} Your lucky number today is 9727		Correlation ID in Hex	
MQWT1	1		47	{300} Your lucky number today is 3849		Data Length	
MQWT1 - Test S	end Exit		46	{300} Your lucky number today is 3085		Encoding	
MQWT1 remote				facel your lucies such a sales is and		- · · · ·	

From the main panel of MQ Visual Browse, 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 💦 🗖 🗖 🖉 🔤 🖉						
File Queue Topic Message Properties View Favorites Tools Help						
$[ \mathbb{B} \approx \mathbb{B}   \mathbb{B} \otimes \mathbb{A} \neq \mathbb{C} \otimes \mathbb{Z} \otimes \mathbb{C} \otimes \mathbb{B}   \mathbb{B} \otimes \mathbb{B} \otimes \mathbb{C} \otimes \mathbb{C} $						
Queue Managers	;		< tes	t/ABC/one / MQWT1 ×	- 🗆	Message Descriptor
Linux		^		Data 1 - 50		Field Value
			68	{300} Your lucky number today is 3077	*	Accounting Token
Solaris	$\bigtriangleup$		67	{300} Your lucky number today is 2190		Application Identity
Windows	$\bigtriangledown$		66	{300} Your lucky number today is 7789		Application Origin D
			65	{300} Your lucky number today is 4574		Backout Count
Laptop - MQWL1			64	{300} Your lucky number today is 7078		Coded Character S
MQWC1			63	{300} Your lucky number today is 229		Correlation ID
MQWC2 MQWT1			62	{300} Your lucky number today is 3918		Correlation ID in Hex
	and Tails		61	<pre>{300} Your lucky number today is 4143</pre>		Data Length
MQWT1 - Test S	end Exit		60	{300} Your lucky number today is 8664		Encoding
MQWT1 remote			50	J2001 Your lucky number today is 9709		Evairy Tatanyal

### 13.4 Select All Messages

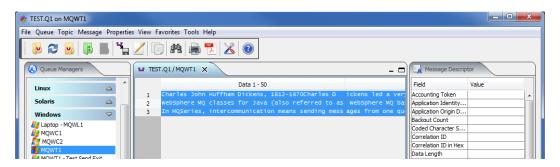
This section will describe how to select all of the messages displayed in the main panel.

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

* TEST.Q1 on MQWT1							- C X	
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
Solaris			1	Charles John Huffham Dickens, WebSphere MQ classes for Java		ickens led a very WebSphere MQ ba		^
Windows	$\bigtriangledown$		3	In MQSeries, intercommunicati	on means sending mess	ages from one qu		
Laptop - MQWL1							Backout Count	
MQWC1							Coded Character S Correlation ID	
MQWC2							Correlation ID Correlation ID in Hex	
MOWT1	Evit						Data Length	

From the main panel of MQ Visual Browse, select View, then Select All.

The main panel should have all of the messages selected, as per below:



### 13.5 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 Message Properties View Favorites Tools Help							
Queue Managers		TES	ST.Q1/MQWT1 X		- 🗆	🙀 Message Descrip	tor
Linux	<u> </u>		Data 1 - 50			Field	Value
Solaris		1	Charles John Huffham Dickens, WebSphere MQ classes for Java			Accounting Token Application Identity	úæl Õê€Â ▲
Windows		3	In MQSeries, intercommunication	on means sending mess	ages from one qu	Application Origin D	
Augustanten - MQWL1 MQWC1 MQWC2 MQWT1 MQWT1						Backout Count Coded Character S Correlation ID Correlation ID in Hex Data Length	0 437  0000000000000000 2008

From the main panel of MQ Visual Browse, select View, then Unselect All.

### 13.6 Proxy UserId List

This section will describe how to create a Proxy UserId List and how to enable it with MQ Visual Browse. 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 Browse, 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=-DroxyList=H:\test\proxylist.txt

#### Two important points:

- 1. When the Proxy UserId List is activated in MQ Visual Browse, 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 Browse's install directory.

## 13.7 Locking the CommProfileDB

This section will describe how to Lock the CommProfileDB file within MQ Visual Browse. 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 Browse, 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 Browse, the user can no longer change their CommProfileDB Directory location in MQ Visual Browse'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 Browse's install directory.

## 14 Appendix A – Mouse and Keyboard Actions

This section describes the buttons on MQ Visual Browse's toolbar.

### 14.1 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.
- Edit Message Clicking the Edit Message button will display the selected message in the Message Edit window.
- **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 Browse's Help system. The Help system provides various information about how and what features and functions are available in MQ Visual Browse.

## 14.2 Mousing Around in MQ Visual Browse

### Left Button

• In the main window of MQ Visual Browse, 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 Browse, 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						- D X		
File Queue Topic Message Propertie	s View F	avorites Tools Help						
🕨 22 😼 🖪 🖌		) 🛤 👼 📆 🔀						
😮 Queue Managers 📃 🖬 TEST.Q1/MQWT1 X						Message Descriptor		
Linux 🛆 🔺			Data 1 - 50		Field	Value		
	1		Dickens, 1812-1870Charles			úæl Őê€Â ▲		
Solaris 🛆	2		for lava (also referred to					
Windows 🗢	3	In MQSeries, int 🧾	Copy Message	less ages from one qu				
By Laptop - MQWL1					Backout Count	0		
MQWC1			Edit Message		Coded Character S	437		
MQWC2		XN	Edit Message with XML Editor		Correlation ID			
MQWT1			Edit Message in Hex			00000000000000		
MOWT1 - Test Send Exit			East Wessage III Tex		Data Length	2008		
MOWT1 remote		AA	Find		Encoding	273		
MOWT1 remote - MOCT		ara				Unlimited 🛛 🗧		
MQWT1 remote - No Exit			Find Next		Feedback Code	0		
MQWT1 remote - SetUserId						MQSTR		
MOWT2			Select All		Group ID			
MQWT2 remote			Unselect All			00000000000000		
MQWT2 remote - SetUserId					Logical Sequence N			
🗾 мој итз		2	Refresh Queue			NONE		
MQWT3 - Test Send Exit						AMQ MQWT1 ,		
MOWT3 remote		-	Close Queue			414D51204D51575		
MOUT2 NOCT				1	Message Type	Datagram		

- **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.
- 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 preivous 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.

## 14.3 Keyboard short-cuts in MQ Visual Browse

There are many short-cut (accelerator) key combinations in MQ Visual Browse.

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-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-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 Browse's Help system. The Help system provides various information about how and what features and functions are available in MQ Visual Browse.

## 15 Appendix B – MQ Visual Browse Upgrade Procedures

To upgrade an existing installation of MQ Visual Browse, please do the following in the appropriate section below.

### 15.1 Windows Upgrade

- > Stop all instances of MQ Visual Browse
- Backup any MQ Visual Browse data files in the MQ Visual Browse install directory
- > Go to the Windows Control Panel and select Program and Features
- > Select MQ Visual Browse and then click the Uninstall button
- > Run the install program called: **mqvb3-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 Browse.
- > Restore the MQ Visual Browse data files if necessary
- To run MQ Visual Browse, select the MQ Visual Browse icon from within the MQ Visual Browse folder.

## 15.2 Linux Upgrade

- Stop all instances of MQ Visual Browse
- Backup any MQ Visual Browse data files in the MQ Visual Browse install directory
- Next, run the installer with the following command: ./mqvb3-setup-linux.bin
- The installer will prompt the user for the installation directory. The default value will be 'Capitalware/MQVB3/'.
- > Restore the MQ Visual Browse data files if necessary
- To run MQ Visual Browse, go to the installation directory and issue the following command: ./mqvb

## 15.3 Max OS X Upgrade

- Stop all instances of MQ Visual Browse
- > Go to the Applications folder and drag the current MQ Visual Browse application to the *Trash*
- > Double click the *MQ\_Visual\_Browse\_V3.dmg* file to open it
- Follow the instructions on the opened DMG window and drag the MQ Visual Browse icon to the Applications folder.
- > Close the DMG window and then eject the DMG
- To run MQ Visual Browse, go to the Application folder and double click on MQ Visual Browse icon

## 16 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**. When I click the Test button in the Queue Manager Access Profile window, nothing happens. No response from MQ Visual Browse 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 Browse 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 Browse) to connect directly to a mainframe queue manager.

Q. Can I install MQ Visual Browse on a network drive (LAN) and run it from that location?

A. Yes. MQ Visual Browse 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 Browse from a network drive and share it with other members of your team, please make sure you have purchased sufficient licenses of MQ Visual Browse.

**Q**. Can I share my queue manager connection information for MQ Visual Browse with another user or put it on a network drive (LAN)?

**A**. Yes. MQ Visual Browse 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.

## 17 Appendix D – Support

The support for MQ Visual Browse 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 Browse Support Unit 11, 1673 Richmond Street, PMB524 London, Ontario Canada N6G 2N3

## 18 Appendix E – Summary of Changes

- MQ Visual Browse v3.2.0
  - Added support for importing COBOL Copybook into the 'Fixed Width' configuration window for User Format.
  - 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 Browse 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 handling PCF MQCFT\_XR\_SUMMARY messages from z/OS queue managers.
  - Fixed an issue with renaming a Group (on main window).
- MQ Visual Browse v3.1.0
  - 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.
- Fixed an issue with 'List Queues' from right click on main window not correctly setting queue type.
- 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 Browse v3.0.0
  - 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 Browse (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 Browse 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 MQVB 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 Browse logfile will now be called: MQVB.log (rather than MQVB\_error.log).
- 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 Browse v2.4.0
  - Updated Restore and RestoreTopic functions to support reading the messages from an SQLite database.
  - Changed the web call to capitalware.com server for license registration from http to https.
  - o Fixed an issue with Named Properties object being null on Message Edit window
  - Fixed an issue with Backup Topic and message conversion
  - Fixed an issue with Export Message and message conversion
  - 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.
  - Added UserId compatibility mode on the UserId panel of the Queue Manager Access Profile window. Connectivity will use MQCSP structure by default.
- MQ Visual Browse v2.3.0
  - Fixed issue with using both Topic Name and Topic String
  - 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 Browse to better handle data conversion between codepages.
- MQ Visual Browse is now built as a 64-bit executable for Linux, macOS and Windows.
- MQ Visual Browse v2.2.0
  - Added Prompt for Password on the UserId panel of the Queue Manager Access Profile window
  - Added a JSON Viewer for JSON data on the Message Edit 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 support for more internal MQ headers: MQDH, MQRMH, MQTM and MQWIH
  - 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 'MQVB\_error.log' file to be the same directory as the 'CommProfileDB.properties' file.
  - 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 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 settings are stored in the 'User Directory'.
  - Switched to JVM v1.8

- MQ Visual Browse 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 Browse v2.0.0
  - Initial release.

## 19 Appendix F1 - License Agreement - Unregistered

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