

WebSphere MQ



Messages

Note!

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 207.

Second Edition (October 2002)

This edition applies to the following WebSphere® MQ V5.3 products:

- WebSphere MQ for AIX®
- WebSphere MQ for HP-UX
- WebSphere MQ for iSeries™
- WebSphere MQ for Linux for Intel
- WebSphere MQ for Linux for zSeries™
- WebSphere MQ for Solaris
- WebSphere MQ for Windows®
- WebSphere MQ for z/OS™

Unless otherwise stated, the information also applies to these products:

- MQSeries® for AT&T GIS (NCR) UNIX® V2.2.1
- MQSeries for Compaq NonStop Kernel V5.1
- MQSeries for Compaq OpenVMS Alpha V5.1
- MQSeries for OS/2® Warp V5.1
- MQSeries for SINIX and DC/OSx V2.2.1
- MQSeries for Sun Solaris, Intel Platform Edition, V5.1

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About this book

This book describes the user messages returned by WebSphere MQ, with explanations and suggested actions. It is designed for use as a quick reference.

UNIX systems

In this book, references to “UNIX systems” include:

- AIX
- HP-UX
- Linux
- Solaris

References to WebSphere MQ for UNIX systems include:

- WebSphere MQ for AIX, V5.3
- WebSphere MQ for HP-UX, V5.3
- WebSphere MQ for Linux for Intel, V5.3
- WebSphere MQ for Linux for zSeries, V5.3
- WebSphere MQ for Solaris, V5.3

Who this book is for

The information is intended for system operators, system programmers, and anyone who needs to understand and take action in response to WebSphere MQ user messages.

How to use this book

See Chapter 1, “Finding and reading a message” on page 1.

Chapter 1. Finding and reading a message

WebSphere MQ user messages are numbered AMQ4000 through AMQ9999, and they are listed in this book in numeric order. However, not all numbers have been used, and therefore the list is not continuous.

Finding a message

WebSphere MQ messages are grouped according to the part of WebSphere MQ from which they originate:

Chapter 2, “AMQ4000-AMQ4999 WebSphere MQ for Windows systems User Interface messages” on page 3.

Chapter 3, “AMQ5000-AMQ5999 Installable services messages” on page 25.

Chapter 4, “AMQ6000-AMQ6999 Common services messages” on page 29.

Chapter 5, “AMQ7000-AMQ7999 WebSphere MQ product messages” on page 37.

Chapter 6, “AMQ8000-AMQ8999 WebSphere MQ administration messages” on page 59.

Chapter 7, “AMQ9000-AMQ9999 Remote messages” on page 83.

The return codes for the WebSphere MQ programming interface, the MQI, are shown in tabular form in Chapter 8, “API completion and reason codes” on page 111.

Reading a message

The format of an WebSphere MQ user message is:

- The message identifier, in two parts:
 1. The characters ‘AMQ’ which identify the message as being from WebSphere MQ
 2. A four-digit decimal code
- The text of the message

Message information

For each message, this information is provided:

Explanation:

Why the message was issued.

User action:

Instructions to the user.

Message variables

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the ‘&’ symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Chapter 2. AMQ4000-AMQ4999 WebSphere MQ for Windows systems User Interface messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ4000 Default object not found. Cannot create a new object because the default object for the object type could not be found.

Explanation: When you create a new object, the initial values of the object's attributes are copied from an object called a default object. Each type of WebSphere MQ object has a separate default object. The WebSphere MQ Explorer could not obtain the attributes of the default object for the type of object that you were trying to create.

User Response: Use the WebSphere MQ administration tools on the queue manager experiencing the problem to ensure that all of the default objects are intact.

AMQ4001 The queue manager specified is already shown in the console.

AMQ4002 Are you sure you want to delete this object?

AMQ4003 WebSphere MQ system objects are used internally by WebSphere MQ. You are advised not to delete them. Do you want to keep the WebSphere MQ system object?

AMQ4004 Clear all messages from the queue?

AMQ4005 The object has been replaced or deleted. The properties could not be applied.

AMQ4006 The channel was pinged successfully. WebSphere MQ successfully sent data to the remote queue manager and then received the data returned.

AMQ4007 The message sequence number for the channel was reset.

AMQ4008 The request to start the channel was accepted.

AMQ4009 The request to stop the channel was accepted.

AMQ4010 The in-doubt state was resolved.

AMQ4011 The queue has been cleared of messages.

AMQ4012 The object was created successfully but it is not visible in the current view with the settings for visible objects.

AMQ4013 You cannot run the WebSphere MQ Explorer snap-in because you do not have authority to administer WebSphere MQ. You must be in the Administrators group, in the mqm group, or logged on with the SYSTEM ID to administer WebSphere MQ.

AMQ4014 The character '&1' was not valid.

AMQ4015 Supply a non-blank name.

AMQ4016 The test message was put successfully.

AMQ4017 • AMQ4031

AMQ4017 The IBM® WebSphere MQ Explorer snap-in requires Microsoft® Management Console Version 1.1 or later. Install a suitable version of the MMC and retry the operation.

AMQ4018 The WebSphere MQ Explorer snap-in failed to initialize properly.

Explanation: The WebSphere MQ Explorer experienced a problem during initialization when it was loaded by the Microsoft Management Console. This normally indicates that a piece of the underlying software could not be initialized.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved.

AMQ4019 An object called '&1' already exists. Do you want to replace the definition of the existing object?

AMQ4020 The changes you are making to the attributes of object &1 will affect the operation of the queue manager or another program currently using the object. Would you like to force the change to the object's attributes?

AMQ4021 Failed to access one or more WebSphere MQ objects. The objects' icons have been marked to indicate the objects in error.

Explanation: An operation which accessed multiple WebSphere MQ objects was only partially successful. Some of the objects could not be accessed but the errors on the individual objects were not reported separately. An example of such an error is insufficient authority to obtain the attributes of an object.

User Response: To establish the cause of the problem on a particular object, select the object and refresh it.

AMQ4022 You cannot specify the same name for the initiation queue as the name of the queue itself. Specify another queue name.

AMQ4023 The queue manager '&1' does not exist on this computer.

AMQ4024 The object cannot be replaced. Delete the object and retry the operation.

AMQ4025 The changes made to the cluster attributes of the queue will take effect once they have propagated across the network. You must refresh any views containing the cluster queues in the affected clusters to show the changes.

AMQ4026 You have created a queue which is shared in one or more clusters. The queue will be available as a cluster queue once its definition has propagated across the network. You must refresh any views containing the cluster queues in the affected clusters to show the cluster queue.

AMQ4027 An error occurred connecting to the queue manager. Are you sure you want to show this queue manager in the console?

AMQ4028 Platform not supported. This queue manager cannot be administered by the WebSphere MQ Explorer because it is running on an unsupported platform. The value &1 for the Platform attribute of the queue manager is not supported by the WebSphere MQ Explorer.

AMQ4029 Command level too low. This queue manager cannot be administered by the WebSphere MQ Explorer because the command level of the queue manager is less than &1. You will have to upgrade the queue manager to a newer version of WebSphere MQ.

AMQ4030 Codepage conversion table not found. This queue manager cannot be administered by the WebSphere MQ Explorer because a codepage conversion table was not found. Install a codepage conversion table from CCSID &1 to CCSID &2 on the computer on which the WebSphere MQ Explorer is running.

AMQ4031 CCSID not found. This queue manager cannot be administered by the WebSphere MQ Explorer because CCSID &1 cannot be found in the CCSID table. The WebSphere MQ Explorer cannot convert character data to or from the unrecognized CCSID.

AMQ4032 Command server not responding within timeout period. Ensure that the command server is running and that the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE' is configured to enable programs to get messages off it.

AMQ4033 Gets inhibited for the queue. Cannot get messages from the queue.

AMQ4034 Message too long. You tried to put a message on a queue that was bigger than the maximum allowed for the queue or queue manager.

AMQ4035 No message available. The response message did not arrive within a reasonable amount of time.

Explanation: The WebSphere MQ Explorer was expecting a response message from the command server. The message did not arrive within 30 seconds. This may indicate a transient problem that caused an unusual delay in receiving a response. Alternatively, it may indicate a problem with the command server of the queue manager being administered.

User Response: Retry the operation. If the error persists, examine the problem determination information on the queue manager's computer to see if the command server recorded any problem determination information.

AMQ4036 Access not authorized. You are not authorized to perform this operation.

AMQ4037 Object definition changed since opened.

AMQ4038 Object damaged. The object was damaged and could not be accessed. The object may be deleted. Alternatively, it may be possible to recover it from a media image or backup.

AMQ4039 Object in use. The object was already open from another application. To change the attributes of an object, specify the Force option as 'Yes' to apply the changes. If you do this, any applications using the object must close and reopen the object to proceed.

AMQ4040 Puts inhibited for this queue. Cannot put messages to this queue.

AMQ4041 Queue is deleted.

AMQ4042 Queue full. The queue contains the maximum number of messages.

AMQ4043 Queue manager not available for connection. Ensure that the queue manager is running. If the queue manager is running on another computer, ensure it is configured to accept remote connections.

AMQ4044 Queue manager stopping.

AMQ4045 Queue not empty. The queue contains one or more messages or uncommitted put or get requests.

AMQ4046 Insufficient system resources available.
Explanation: The operation failed due to a resource shortage. Possible causes include shortage of disk space or virtual memory.

User Response: Examine the problem determination information on the queue manager's computer to establish the type of resource which has been exhausted. Rectify the problem and retry the operation.

AMQ4047 Insufficient storage available.

AMQ4048 Unexpected error.

Explanation: An unexpected error occurred during the operation.

User Response: Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4049 Unknown object name.

AMQ4050 Allocation failed. An attempt to allocate a conversation to a remote system failed. The error may be due to an invalid entry in the channel definition or it may be that the listening program at the remote system was not running.

AMQ4051 Bind failed. The bind to a remote system during session negotiation failed.

Explanation: An attempt to bind the TCP/IP socket to the listener port was unsuccessful.

User Response: The failure could be due to another program using the same port number. Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4052 • AMQ4069

AMQ4052 Coded character-set ID error. Cannot convert a command message to the CCSID of the target queue manager.

AMQ4053 Channel in doubt. The operation could not complete because the channel was in doubt.

Explanation: The operation cannot be completed because the channel is in doubt. This is a normal but transitory state for a WebSphere MQ channel.

User Response: Examine the status of the channel, and either restart the channel to resolve the in-doubt state, or resolve the channel manually from the sending end of the channel.

AMQ4054 Channel in use. An attempt was made to perform an operation on a channel, but the channel is currently active.

AMQ4055 Channel status not found. No channel status is available for this channel. This may indicate that the channel has not been used.

AMQ4056 Command failed.

Explanation: The WebSphere MQ Explorer issued a command to the queue manager's command server. The command failed but the reason could not be diagnosed.

User Response: Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4057 Configuration error. A configuration error was detected in the channel definition or communication subsystem; allocation of a conversation was not possible.

AMQ4058 Connection closed. An error occurred while receiving data from a remote system. The connection to the remote system has unexpectedly terminated.

AMQ4059 Connection refused. Could not establish a connection to a remote system. The remote system might not have been configured to allow a connection from this system.

AMQ4060 Dynamic queue scope error. The Scope attribute of the queue was set to MQSCO_CELL but this is not allowed for a dynamic queue.

AMQ4061 Remote system not available. Could not allocate a conversation to a remote system. The error may be transitory so the allocate may succeed later.

AMQ4062 The MQINQ call failed. The queue manager issued an MQINQ call to inquire about a WebSphere MQ object. The call failed. Check the queue manager's error log for more information about the error.

AMQ4063 The MQOPEN call failed. The queue manager issued an MQOPEN call to open a WebSphere MQ object. The call failed. Check the queue manager's error log for more information about the error.

AMQ4064 The MQSET call failed. The queue manager issued an MQSET call to set the values of the attributes of a WebSphere MQ object. The call failed. Check the queue manager's error log for more information about the error.

AMQ4065 Message sequence number error. The message sequence number parameter was not valid.

AMQ4066 Message truncated. The command server received a message that was larger than its maximum valid message size.

AMQ4067 Communications manager not available. The communications subsystem is not available.

Explanation: An attempt was made to use the communications subsystem but it has not been started.

User Response: Start the communications subsystem and retry the operation.

AMQ4068 Queue is not a transmission queue. The queue specified in the channel definition was not a transmission queue.

AMQ4069 Object already exists. Could not create object because the object already existed.

AMQ4070	Object is open. An attempt was made to delete or change an object that was in use. Wait until the object is not in use and retry.	AMQ4080	Remote channel not known. There is no definition of this channel on the remote system.
AMQ4071	Object has wrong type. Could not replace a queue object of a different type.	AMQ4081	User exit not available. The channel was terminated because the user exit specified does not exist.
AMQ4072	Queue already exists in cell. Could not define a queue with cell scope or change the scope of an existing queue from queue-manager scope to cell scope because a queue with that name already existed in the cell.	AMQ4082	Unexpected WebSphere MQ error (&1). Explanation: An unexpected error occurred during the operation. The WebSphere MQ reason code reported was &1. User Response: Read the description of the reason code in the WebSphere MQ Application Programming Reference or Programmable System Administration manual. Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.
AMQ4073	Ping error. You can only ping a sender or server channel. If the local channel is a receiver channel, ping from the remote queue manager.	AMQ4083	Queue manager name not known. If the queue manager is remote, this may indicate that another queue manager is incorrectly using the same connection name. Queue managers using TCP/IP on the same computer must listen on different port numbers. This means that they will also have different connection names.
AMQ4074	Receive failed. The receive operation failed. This may be caused by a communications failure.	AMQ4084	Cell directory is not available. The Scope attribute of the queue was set to MQSCO_CELL but no name service supporting a cell directory has been configured.
AMQ4075	Error while receiving data. An error occurred while receiving data from a remote system. This may be caused by a communications failure.	AMQ4085	No name supplied for transmission queue. You must supply a non-blank transmission queue name for this channel type.
AMQ4076	Remote queue manager terminating. The channel stopped because the remote queue manager was terminating.	AMQ4086	No connection name supplied. Supply a non-blank connection name for this channel type.
AMQ4077	Remote queue manager not available. The channel could not be started because the remote queue manager was not available. Ensure that the remote queue manager is started and that it is configured to accept incoming communication requests.	AMQ4087	An error occurred while trying to use a cluster resource. Check that the queues whose names start with 'SYSTEM.CLUSTER.' are not full and that messages are allowed to be put on them.
AMQ4078	Send failed. An error occurred while sending data to a remote system. This may be caused by a communications failure.	AMQ4088	Cannot share transmission queue in cluster. The queue is a transmission queue and cannot be shared in a cluster.
AMQ4079	Channel terminated by security exit. A channel security exit terminated the channel.		

AMQ4089 • AMQ4106

AMQ4089 Puts inhibited for system command queue. Cannot put messages to the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE'.

AMQ4090 The WebSphere MQ Explorer uses the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE'. If you inhibit puts or gets for this queue, you will no longer be able to administer the queue manager using the WebSphere MQ Explorer. Are you sure you want to continue?

AMQ4091 Cannot connect to remote queue manager. The remote queue manager is accepting connections on an unsupported protocol. The WebSphere MQ Explorer only supports connections to remote queue managers using the TCP/IP protocol.

AMQ4092 The queue manager's membership of the cluster is defined using a namelist '&2'. To remove the queue manager from the cluster, remove it from the namelist ensuring that you do not inadvertently affect the definitions of other objects using the namelist.

AMQ4093 The cluster specified is already shown in the console.

AMQ4094 An error occurred adding this cluster to the console. Are you sure you want to show this cluster in the console?

AMQ4095 Queue manager '&1' is not a repository queue manager for cluster '&2'. The WebSphere MQ Explorer needs a connection to a repository queue manager to administer the cluster.

AMQ4096 Are you sure you want to clear the password for this channel?

AMQ4097 Unmatched quotation mark. The attribute can contain a list of values. Each value may be enclosed in a pair of single or double quotation marks. A quotation mark may be included in a value by using a pair of quotation marks.

AMQ4098 Invalid list format. The attribute can contain a list of values. Each pair of values must be separated by a space or a comma. Values may be enclosed in single or double quotation marks. Quotation marks are only required for values which contain spaces, commas or quotation marks.

AMQ4099 Cannot communicate with one or more repository queue managers. Cluster '&1' is configured to use one or more repository queue managers which communicate using a protocol other than TCP/IP. The WebSphere MQ Explorer can only establish connections to remote queue managers using TCP/IP. To complete removal of the queue manager from the cluster, you must issue the RESET CLUSTER ACTION(FORCEREMOVE) command from the repository queue managers.

AMQ4100 The MMC document file <filename> could not be created. The IBM WebSphere MQ Services console has failed to initialize.

Explanation: The service program has attempted to create a default MSC document file in the MQM "\bin" directory, but could not.

User Response: Check that the disk is not full, and that the user has create and write permissions in the MQM bin directory.

AMQ4101 The IBM WebSphere MQ Services could not be stopped. The error message is: <error message>.

Explanation: The task bar program has attempted to stop the IBM WebSphere MQ service. The error message supplied has been generated by the windows NT service control manager.

User Response: None

AMQ4102 Shutting down IBM WebSphere MQ will terminate all running queue managers and WebSphere MQ processes. Are you sure you want to continue?

Explanation: None

User Response: None

AMQ4106 IBM WebSphere MQ Services has been installed successfully.

AMQ4107 The Service Control handler could not be registered.

Explanation: There is a problem installing or running the IBM WebSphere MQ service.

User Response: None

AMQ4108 A general error has occurred: <message>.

AMQ4109 A COM error has occurred:<message>.

AMQ4110 This queue manager is already stopped.

Explanation: The user has tried to stop a queue manager that is already in the stopped state, or has disabled the service from the hardware profiles in the Windows NT[®] control panel Services applet.

User Response: None, or if the service has been disabled from the hardware profile, enable the service.

AMQ4111 This service is already stopped.

Explanation: The user has tried to stop a service that is already in the stopped state.

User Response: None

AMQ4112 This service is already running.

Explanation: The user has tried to start a queue manager that is already in the started state.

User Response: None

AMQ4113 This queue manager is already running.

Explanation: The user has tried to start a service that is already in the started state.

User Response: None

AMQ4114 Invalid parameter specified. Please re-enter this value.

Explanation: The highlighted parameter is not within the valid range for this field.

User Response: Correct the field and retry.

AMQ4115 Invalid parameter specified. Please enter a value between min and max.

Explanation: The highlighted parameter is not within the valid range for that field.

User Response: Correct the field and retry.

AMQ4116 The queue manager must be stopped before it can be deleted.

Explanation: The user has tried to delete a queue manager that is still running.

User Response: Stop the queue manager and try again.

AMQ4117 This action cannot be undone. Are you sure you want to delete the WebSphere MQ queue manager 'queue manager' from your system?

Explanation: None

User Response: Select "Yes" to confirm deletion of the queue-manager service, or "No" to continue.

AMQ4118 Could not access the WebSphere MQ Alert Monitor.

Explanation: The snap-in has tried to access or launch the WebSphere MQ alert monitor, but has failed. The COM error is appended to the message.

User Response: None

AMQ4119 Could not initialize WebSphere MQ Services utility library AMQMDUIN.

Explanation: The snap-in has tried to access or launch the WebSphere MQ Services utility library, but has failed. The COM error is appended to the message.

User Response: None.

AMQ4120 Could not initialize Microsoft Foundation Classes for this thread.

Explanation: The snap-in has tried to initialize the MFC library but has failed. Additional error text is appended to the message.

User Response: None.

AMQ4121 Could not access WebSphere MQ Services Channel Initiator.

Explanation: The snap-in has tried to access or launch the WebSphere MQ COM object, but has failed. The COM error is appended to the message.

User Response: None

AMQ4122 A general error has occurred. <message>

AMQ4123 Could not access WebSphere MQ Services Listener.

Explanation: The snap-in has tried to access or launch the WebSphere MQ COM object, but has failed. The COM error is appended to the message.

User Response: None

AMQ4124 Could not access WebSphere MQ Services Trigger Monitor.

Explanation: The snap-in has tried to access or launch the WebSphere MQ COM object, but has failed. The COM error is appended to the message.

User Response: None

AMQ4125 • AMQ4201

AMQ4125 Could not access WebSphere MQ Services COM object.

Explanation: The snap-in has tried to access or launch the WebSphere MQ COM object, but has failed. The COM error is appended to the message.

User Response: None

AMQ4126 Could not release advice connections from WebSphere MQ Services objects.

Explanation: The snap-in has tried to release its connections to the Service objects, but a COM error has occurred. Additional error text is appended to the message.

User Response: None

AMQ4127 Could not initialize WebSphere MQ Services objects.

Explanation: The snap-in has tried to access or launch the WebSphere MQ COM object, but has failed. The COM error is appended to the message.

User Response: None

AMQ4128 The service could not be started.
<message>

Explanation: The IBM WebSphere MQ service has tried to start a particular component service of a queue manager, but has failed. The returned error text from the specific service is appended to the message.

User Response: None

AMQ4129 Unable to display the Configure API Exits dialog, a Configure API Exits dialog is already open for queue manager '&1'

Explanation: WebSphere MQ only allows you to open one Configure API Exits dialog at a time. A Configure API Exits dialog is already in use for the queue manager specified.

User Response: Close the Configure API Exits dialog that is already open.

AMQ4130 Unable to display the Configure API Exits dialog, a Configure API Exits dialog is already open for IBM MQSeries Services

Explanation: WebSphere MQ only allows you to open one Configure API Exits dialog at a time. A Configure API Exits dialog is already in use for the IBM MQSeries Services.

User Response: Close the Configure API Exits dialog that is already open.

AMQ4131 Previous changes to API Exits have not been committed - apply or cancel these changes before attempting further configuration.

Explanation: Changes that you have already made to the API Exits can affect the information to be shown by the Configure API Exits dialog. To avoid conflicting changes, you must apply or cancel one set of changes before making the other.

User Response: Apply or cancel the changes you have already made.

AMQ4132 Previous changes to API Exits on computer '&1' have not been committed - apply or cancel these changes before attempting further configuration

Explanation: Changes that you have already made to the API Exits on the computer specified can affect the information to be shown by the Configure API Exits dialog. To avoid conflicting changes, you must apply or cancel one set of changes before making the other.

User Response: Apply or cancel the changes you have already made.

AMQ4136 Could not access WebSphere MQ Custom Service Object

AMQ4138 The resource name '&s' cannot be used because a resource has already been defined with that name. Please choose a unique name

AMQ4140 The custom cipher specification is invalid.

AMQ4141 The Distinguished Names specification is invalid.

AMQ4200 There is a problem with the default configuration. Unable to display the Default Configuration window.

Explanation: There is a problem with WebSphere MQ.
User Response: Use the 'Details>>' button to show further details about the problem and contact your systems administrator.

AMQ4201 Unable to check if the computer exists.
Explanation: WebSphere MQ was unable to check if the computer name you entered exists on your computer's domain.

User Response: Retry the operation, if the problem persists contact your systems administrator.

AMQ4202 Unable to contact the computer '&1'.
Explanation: WebSphere MQ was unable to locate a computer with this name on your computer's TCP/IP domain.
User Response: Enter a different computer name.

AMQ4203 Unable to set up the default configuration.
Explanation: WebSphere MQ was unable to set up the default configuration. This error may occur if WebSphere MQ is busy with another operation.
User Response: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4204 Unable to join the default cluster.
Explanation: WebSphere MQ was unable to join your computer to the default cluster. This error may occur if WebSphere MQ is busy with another operation.
User Response: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4205 Unable to allow remote administration of the queue manager.
Explanation: WebSphere MQ was unable change the configuration of your queue manager to allow it to be remotely administered. This error may occur if WebSphere MQ is busy with another operation.
User Response: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4206 Unable to prevent remote administration of the queue manager.
Explanation: WebSphere MQ was unable change the configuration of your queue manager to prevent it from being remotely administered. This error may occur if WebSphere MQ is busy with another operation.
User Response: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4208 Show this panel again the next time the queue manager is started?
Explanation: You can choose whether you want the same panel to be shown the next time this queue manager is started, and the default configuration is not complete.
User Response: Select whether you want the panel to be shown next time.

AMQ4209 The TCP/IP name of the remote computer must not be your own computer name.
Explanation: You have selected that the repository queue manager is on another computer, but you have entered the name of your own computer.
User Response: Enter the correct name of the repository queue manager.

AMQ4210 The command server must be active to complete this operation. Use the WebSphere MQ Services to start it, then retry the operation.
Explanation: The operation you requested needs the command server to be running.
User Response: Use WebSphere MQ Services to start the command server, then retry the operation.

AMQ4211 The computer name entered must be on your local domain ('&1').

AMQ4212 Unable to complete this task because you do not have authority to administer WebSphere MQ. You must be in the Administrators group, in the mqm group or logged in with the SYSTEM ID to administer WebSphere MQ.
Explanation: Your userid is not authorized to carry out the operation you requested.
User Response: Retry the operation on a userid with the required authority, or contact your systems administrator.

AMQ4213 Unable to delete queue manager &1 because it is being used by another program.
Explanation: WebSphere MQ was unable to delete the old default configuration queue manager because another program is using the queue manager.
User Response: Close the programs that are using the queue manager, and click Retry.

AMQ4214 The computer &1 is not known on the network.
Explanation: WebSphere MQ is unable to locate a computer with this name on your network.
User Response: Enter a different computer name.

AMQ4215 Upgrade of the default configuration was cancelled.
Explanation: You pressed 'Cancel' while running the default configuration wizard to upgrade the default configuration.
User Response: None

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AMQ4216 The WebSphere MQ services component does not have the authority it requires.

AMQ4217 The MQSeriesServices component does not have the authority to create the default configuration.

AMQ4225 Remote administration of queue manager '&1' has been allowed.

AMQ4226 Remote administration of queue manager '&1' has been prevented.

AMQ4227 Unable to allow remote administration of queue manager '&1'.

AMQ4228 Unable to prevent remote administration of queue manager '&1'.

AMQ4235 WebSphere MQ running on this computer was unable to retrieve group membership information for user '&1'.

AMQ4236 WebSphere MQ running on this computer can now retrieve group membership information for user '&1'.

AMQ4237 WebSphere MQ running on this computer is still unable to retrieve group membership information for user '&1'.

AMQ4238 You are not authorized to run the Prepare WebSphere MQ Wizard. To run this wizard, you must be in the 'Administrators' group.

AMQ4250 No nickname supplied - Please supply one.

AMQ4251 Cannot Initialize WinSock - TCP/IP may not be installed. Please install TCP/IP and try again.

Explanation: Postcard was not able to initialize the interface to TCP/IP.

User Response: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4252 Cannot Find WinSock - TCP/IP may not be installed. Please install TCP/IP and try again.

Explanation: Postcard was not able to find the interface to TCP/IP.

User Response: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4253 Cannot get fully qualified TCP/IP domain name - Please ensure that the TCP/IP protocol is configured.

Explanation: Postcard was not able to determine the TCP/IP domain name for your computer.

User Response: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4254 Failed to Allocate System Memory - Please contact your system administrator.

Explanation: Postcard was not able to allocate enough memory to run correctly.

User Response: Close other programs to release system memory. If the problem persists, refer to your systems administrator.

AMQ4257 The call MQCONN failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to connect to the queue manager in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

User Response: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4258 The call MQOPEN failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

User Response: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4259 The call MQCLOSE failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to close the queue after sending the postcard. This error may occur if WebSphere MQ is busy with another operation.

User Response: If the problem persists contact your systems administrator.

AMQ4260 The call MQDISC failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to disconnect from the queue manager after sending the postcard. This error may occur if WebSphere MQ is busy with another operation.

User Response: If the problem persists contact your systems administrator.

AMQ4261 The call MQPUT failed with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to send the postcard by putting its data to the queue. This error may occur if WebSphere MQ is busy with another operation.

User Response: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4262 The call MQCONN failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to connect to the queue manager in order to receive postcards. This error may occur if WebSphere MQ is busy with another operation.

User Response: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4263 The call MQOPEN failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if WebSphere MQ is busy with another operation.

User Response: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4264 The call MQCLOSE failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to close the queue after receiving postcards. This error may occur if WebSphere MQ is busy with another operation.

User Response: If the problem persists contact your systems administrator.

AMQ4265 The call MQDISC failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to disconnect from the queue manager after receiving postcards. This error may occur if WebSphere MQ is busy with another operation.

User Response: If the problem persists contact your systems administrator.

AMQ4267 The call MQGET failed with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to receive a postcards by getting its data from the queue. This error may occur if WebSphere MQ is busy with another operation.

User Response: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4268 Postcard is unable to contact the queue manager on the remote computer. Verify that the default configuration is up and running on the remote computer.

AMQ4269 Unable to run Postcard because you do not have authority to use WebSphere MQ.

Explanation: Your user Id is not authorized to use Postcard. You must be in the Administrator's group, in the mqm group, or logged in with the SYSTEM ID to use WebSphere MQ.

User Response: Use Postcard on a user Id with the required authority, or contact your systems administrator.

AMQ4270 Postcard is unable to send messages to the remote computer. Postcard can only exchange messages with computers that are on the same TCP/IP domain as this computer (&1).

AMQ4271 Unable to open a local queue called '&1' on the mailbox queue manager '&2'.

Explanation: Postcard was unable to automatically create the queue it uses on the queue manager.

User Response: Use WebSphere MQ Explorer to create the queue, and restart Postcard.

AMQ4272 The mailbox queue manager '&1' does not exist on this computer.

Explanation: The mailbox queue manager name specified after the '-m' parameter to Postcard does not exist on this computer.

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User Response: Restart Postcard specifying the name of a queue manager that does exist on this computer.

AMQ4273 Unable to contact the target mailbox '&1'.

Explanation: Postcard was unable send the message as it could not contact the target mailbox.

User Response: Click 'Retry' to attempt to send the message again, otherwise click 'Cancel'.

AMQ4274 Postcard has detected that '&1' is the name of a computer and a queue manager.

Explanation: Postcard has detected that the destination mailbox name is the name of a computer and of a queue manager.

User Response: Select whether you want to send the message to the computer or the queue manager with this name, then click OK.

AMQ4300 Please supply some text in order for the MQPUT(1) operation to succeed.

Explanation: No text has been supplied for the user so that the MQPUT or MQPUT1 operation can proceed.

User Response: Supply some text in the editable area so that the MQPUT or MQPUT1 operation can proceed.

AMQ4301 Please supply some text in order for the MQPUT operation to succeed.

Explanation: No text has been supplied for the user so that the MQPUT operation may proceed.

User Response: Supply some text in the editable area so that the MQPUT may proceed.

AMQ4302 Please supply some text in order for the MQPUT1 operation to succeed.

Explanation: No text has been supplied for the user so that the MQPUT1 operation may proceed.

User Response: Supply some text in the editable area so that the MQPUT1 may proceed.

AMQ4303 The command server for the queue manager &s is not started. Start the command server and try again.

Explanation: In order for the API Exerciser to function, a command server must be running.

User Response: Either start the command server from the MQServices application or run strmqcsv <Queue Manager> from the command line.

AMQ4304 API Exerciser cannot enumerate objects for queue manager &s.

Explanation: The API Exerciser encountered a problem trying to enumerate queues.

User Response: Ensure that the command server is running (from the Service application) and that there are queues configured for the queue manager.

AMQ4305 There are no queue managers present in the system. Please create one and try again.

Explanation: The API Exerciser could not find any queue managers on the system.

User Response: Use the Services application to create one or run crtmqm <Queue Manager>.

AMQ4306 Memory allocation failure. Stop some other applications and try again.

Explanation: There are not sufficient system resources available in the system to satisfy the running of API Exerciser.

User Response: Shut some other applications down and try running the API Exerciser again.

AMQ4307 API Exerciser encountered a COM failure and cannot continue.

Explanation: When the API Exerciser started, it was unable to make a COM connection to WebSphere MQ Services.

User Response: Ensure that WebSphere MQ has been correctly installed and configured, and that your user ID is a member of the mqm group. If the problem persists, refer to your systems administrator.

AMQ4308 API Exerciser cannot continue. Please ensure that the userid you are using is a member of the mqm group.

AMQ4309 API Exerciser cannot continue. Please ensure that the userid you are using is a member of the Administrator group.

AMQ4350 Setup cannot continue; a later version of this product is installed.

Explanation: Installation detected that a version of this product later than version 5.3 is already installed on the computer.

User Response: Do not attempt to install version 5.3 when a later version is already installed.

AMQ4351 Uninstallation cannot continue; uninstallation is already running.

Explanation: An attempt was made to run two copies of uninstallation at once.

User Response: Run only one copy of uninstallation at a time.

AMQ4352 Setup cannot continue; a supported version of Windows is required.

AMQ4353 Setup cannot continue; '&s' is not an Administrator.

Explanation: The user running installation does not have administrator authority.

User Response: Log off and log back on using a user ID with administrator authority.

AMQ4375 The program files top-level folder is not valid.

Explanation: The program files top-level folder is not a valid path.

User Response: Enter a valid path.

AMQ4376 The data files top-level folder is not valid.

Explanation: The data files top-level folder is not a valid path.

User Response: Enter a valid path.

AMQ4377 The log files folder is not valid.

Explanation: The log files folder name is not a valid path.

User Response: Enter a valid path.

AMQ4378 A root folder is not allowed for the program files top-level folder.

Explanation: WebSphere MQ cannot be installed in a root folder, for example 'c:\'.

User Response: Enter a non-root folder.

AMQ4379 A root folder is not allowed for the data files top-level folder.

Explanation: WebSphere MQ cannot be installed in a root folder, for example 'c:\'.

User Response: Enter a non-root folder.

AMQ4380 A root folder is not allowed for the log files folder.

Explanation: WebSphere MQ cannot be installed in a root folder, for example 'c:\'.

User Response: Enter a non-root folder.

AMQ4383 Uninstallation cannot continue; failed to save queue manager configuration.

Explanation: An error occurred while saving the current queue manager configuration to a file.

User Response: Check that the registry keys under 'HKEY_LOCAL_MACHINE\SOFTWARE\IBM\WebSphere MQ'

are readable by an administrator. Check that there is enough space on the drive containing the data files folder (where the configuration is being saved in file \config\config.reg). If the error persists, contact your systems administrator.

AMQ4389 Setup could not create a local 'mqm' group (code &d).

Explanation: An error occurred creating a local user group called 'mqm'.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4390 Setup could not create a global 'Domain mqm' group (code &d).

Explanation: An error occurred creating a local user group called 'mqm'.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4391 Setup could not find the global 'Domain mqm' group.

Explanation: The global 'mqm' group was created, but could not then be found.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4392 Setup could not add the global 'Domain mqm' group to the local 'mqm' group (code &d).

Explanation: An error occurred adding the global 'mqm' group to the local 'mqm' group.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4398 Cannot start the selected application as TCP/IP is not installed on this machine.

Explanation: In order to run either WebSphere MQ Explorer, Postcard or Default Configuration applications, it is necessary to have TCP/IP installed and configured on your machine. All other First Steps application can still be run.

User Response: If you need to run these applications, you must install and configure TCP/IP on your machine.

AMQ4399 Cannot start the selected application. Return code = &d.

Explanation: There has been a general problem in starting the selected application. The return code is &d.

User Response: Retry the operation. If the problem persists, look up the return code in the NT documentation, or contact the systems administrator.

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AMQ4500	You should only forcibly remove a queue manager from a cluster when it has already been deleted and cannot be removed from the cluster in the normal way. Are you sure you want to forcibly remove queue manager '&1' from cluster '&2'?	AMQ4507	Remote queue manager not using TCP/IP. The connection information available for the remote queue manager uses a communication protocol other than TCP/IP. The WebSphere MQ Explorer cannot connect to the queue manager to remove it from the cluster in the normal way. If the queue manager no longer exists, you may choose to forcibly remove the queue manager from the cluster.
AMQ4501	Queue manager successfully removed from the cluster. The queue manager will still appear as a member of the cluster until the configuration changes have been sent across the network and the cluster channels to the queue manager have become inactive. This may take a long time.	AMQ4508	Queue manager successfully left the cluster. The queue manager will still appear as a member of the cluster until the configuration changes have been sent across the network and the cluster channels to the queue manager have become inactive. This may take a long time.
AMQ4502	You have shared the queue in cluster '&1'. The queue manager is not a member of this cluster. To make the queue available to the members of this cluster, you must join the queue manager to the cluster.	AMQ4509	The request to suspend membership of the cluster has been accepted.
AMQ4503	List of values too long. The list of values which you have entered is too long. The total number of significant characters allowed for this value is &1.	AMQ4510	The request to resume membership of the cluster has been accepted.
AMQ4504	Value too long. You have entered a value containing too many characters. The maximum number of characters allowed for each value of this attribute is &1.	AMQ4511	The queue manager is not a member of the cluster.
AMQ4505	Too many entries in list. You have entered too many values in the list. The maximum number of values is &1.	AMQ4512	The WebSphere MQ DLL '&1' cannot be loaded. Check that the path for executable files includes the WebSphere MQ executables directory. If it does and the DLL still cannot be found, re-install WebSphere MQ.
AMQ4506	Cannot connect to queue manager '&1'. The queue manager cannot be removed from the cluster in the normal way. Retry the operation when the queue manager is available. If the queue manager no longer exists, you may choose to forcibly remove the queue manager from the cluster.	AMQ4513	The request to refresh the information about the cluster has been accepted.
		AMQ4514	The queue manager is not a member of cluster '&1'. The object which you have shared in the cluster will not be available to other members of the cluster until you make this queue manager a member of the cluster.
		AMQ4515	The repository queue manager for cluster '&1' is not available for connection. Views showing cluster queues in this cluster may be incomplete

AMQ4516 Cluster workload exit error. The queue manager's cluster workload exit failed unexpectedly or did not respond in time

AMQ4517 Cluster resolution error. The definition of the cluster queue could not be resolved correctly because a response from a repository queue manager was not available

AMQ4518 Call stopped by cluster exit. The queue manager's cluster workload exit rejected a call to open or put a message onto a cluster queue

AMQ4519 No destinations available. At the time that the message was put, there were no longer any instances of the queue in the cluster

AMQ4520 The WebSphere MQ Explorer could not initialize TCP/IP. Administration of remote queue managers and clusters is not possible

AMQ4521 The text you entered contained a comma (,) which is used as a list separator character. This value does not accept lists. If you want to use a comma as part of your value, enclose the value in double quotes.

AMQ4550 The two queue manager names must be different.

Explanation: You entered the same name for the two queue managers that are to be made repositories for the cluster. The two repositories must be made on different queue managers.

User Response: Enter a different name for one of the repository queue managers.

AMQ4551 Unable to connect to the queue manager called 'name'. Please check the correct queue manager has been chosen and that the queue manager is started.

Explanation: The queue manager you choose to be made a repository for the cluster must already exist, and be started.

User Response: Enter the name of an existing queue manager that is started.

AMQ4552 Queue manager 'name' is already a repository queue manager. Choose another queue manager and continue with the Wizard, otherwise refer to the WebSphere MQ Queue Manager Clusters manual.

Explanation: The Wizard is only designed to work with queue managers that are not already a repository queue manager.

User Response: Choose a queue manager that is not already a repository queue manager. If you want to work with a queue manager that is already a repository, then you must enter the necessary commands yourself, refer to the *WebSphere MQ Queue Manager Clusters* manual for more information.

AMQ4553 Queue manager '&1' is not a repository queue manager for cluster '&2'. Please choose another queue manager.

Explanation: The Wizard needs to know the name of one of the queue managers that is already a repository for the cluster. The queue manager you entered is not a repository queue manager.

User Response: Enter the name and connection name of one of the existing repository queue managers for the cluster.

AMQ4554 Please enter no more than &1 characters.

Explanation: You entered too many characters.

User Response: The name you choose must be no longer than &1 characters long.

AMQ4555 The port number 'number' is not valid. Please choose another number.

Explanation: The number you entered is not a valid port number.

User Response: Enter a valid number.

AMQ4556 The port number 'number' is already being used by another queue manager. Please choose another number.

Explanation: The port number you entered is already in use.

User Response: Choose a different port number.

AMQ4557 Unable to use name 'name', a cluster receiver with this name already exists on queue manager 'queue-manager'. Please choose another name.

Explanation: Cluster receiver channel names on a queue manager must be unique. A cluster receiver channel with the name you entered already exists.

User Response: Choose a different name.

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AMQ4558 Cluster receiver 'name' does not exist on queue manager 'queue-manager'. Please enter the correct name.

Explanation: The Wizard needs to know the name of the existing cluster receiver channel on the queue manager. The name you entered does not exist.

User Response: Enter the correct name of the cluster receiver channel.

AMQ4559 Unable to use name 'name', a channel with this name already exists on queue manager 'queue-manager'. Resolving this situation requires renaming channels or using namelists, which is beyond the scope of this wizard.

Explanation: To communicate with the repository queue manager, a new cluster sender needs to be created on the joining queue manager 'queue-manager' that matches the name of the cluster receiver channel 'name' on the repository. A channel with that name already exists on the joining queue manager.

User Response: To resolve this situation you need to rename the channels on the cluster, or use a namelist. Refer to the *WebSphere MQ Queue Manager Clusters* manual for more information.

AMQ4560 Unable to create a repository on queue manager 'queue-manager' on connection 'connection-name'.

Explanation: The Wizard was unable to create a repository on the queue manager.

User Response: Use the 'Details>>' button to show further details about the problem and refer to the *WebSphere MQ Queue Manager Clusters* manual or to your systems administrator.

AMQ4561 Unable to create cluster sender channel 'name' on queue manager 'queue-manager'.

Explanation: The Wizard was unable to create a cluster sender channel on the queue manager.

User Response: Use the 'Details>>' button to show further details about the problem and refer to the *WebSphere MQ Queue Manager Clusters* manual or to your systems administrator.

AMQ4562 Unable to create cluster receiver channel 'name' on queue manager 'queue-manager'.

Explanation: The Wizard was unable to create a cluster receiver channel on the queue manager.

User Response: Use the 'Details>>' button to show further details about the problem and refer to the *WebSphere MQ Queue Manager Clusters* manual or to your systems administrator.

AMQ4563 Unable to start a listener on queue manager 'queue-manager'.

Explanation: The Wizard was unable to start a listener on the queue manager.

User Response: Use the 'Details>>' button to show further details about the problem and refer to the *WebSphere MQ Queue Manager Clusters* manual or to your systems administrator.

AMQ4564 Unable to use name 'name', a channel with this name already exists on queue manager 'queue-manager'. Please choose another name.

Explanation: Channel names on a queue manager must be unique. A channel with the name you entered already exists.

User Response: Choose a different name.

AMQ4565 The changes to the queue managers to create cluster '&1' were performed successfully. The repository queue managers will now attempt to contact each other using the channels you defined

AMQ4566 The changes to queue manager '&1' to add it to cluster '&2' were performed successfully. The queue manager will become a member of the cluster once it has connected to the repository queue manager

AMQ4567 The WebSphere MQ Explorer cannot perform cluster operations on queue manager '&1'. This is because the platform and command level of the queue manager indicate that it does not support clusters

AMQ4568 The connection names of the queue managers must be different

AMQ4569 The repository queue manager is not using cluster receiver channel '&1' for incoming communication in cluster '&2'. Check the name of the channel and retry

AMQ4570 The changes to queue manager '&1' to join it to cluster '&2' were performed successfully. The queue manager will become a member of the cluster once it has connected to the repository queue manager

AMQ4571 Are you sure you want to change the location of the Key Repository for queue manager '&1'?

AMQ4572 The request to refresh the information about all clusters has been accepted

AMQ4703 One or more problems occurred during Setup. Review '&s' for details.

Explanation: Setup was only partially successful.

User Response: Review the installation log file for details of any problems.

AMQ4705 Current service level is '&s'. Re-apply service after Setup completes.

Explanation: Some service has been applied to the current installation. Installation or reinstallation of WebSphere MQ components might regress some files.

User Response: Review the instructions that came with the service that was applied. If necessary re-apply the service.

AMQ4707 Error migrating '&s'.

Explanation: An error occurred migrating a .ini file to the registry.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4711 One or more problems occurred during uninstallation. Review '&s' for details.

Explanation: Uninstallation was only partially successful.

User Response: If the installation log file is available, review it for details of any problems. If the error persists, contact your systems administrator.

AMQ4712 The WebSphere MQ service failed to stop

Explanation: An error occurred trying to stop the WebSphere MQ service

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4713 The WebSphere MQ service failed to start

Explanation: An error occurred trying to start the WebSphere MQ service

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4714 Failed to delete the WebSphere MQ service

Explanation: An error occurred trying to delete the WebSphere MQ service

User Response: Review the installation log for details of any problems. If the error persists, contact your systems administrator.

AMQ4715 Failed to add the WebSphere MQ service

Explanation: An error occurred trying to create the WebSphere MQ service

User Response: Review the installation log for details of any problems. If the error persists, contact your systems administrator.

AMQ4718 Cannot load performance counters

Explanation: An error occurred trying to register the WebSphere MQ performance counter library.

User Response: Review the installation log for details of any problems. If the error persists, contact your systems administrator.

AMQ4719 Error migrating queue manager command files.

Explanation: An error occurred migrating queue manager command files.

User Response: Review the installation log for details of any problems. If the error persists, contact your systems administrator.

AMQ4722 Setup cannot continue without VGA or better screen resolution.

Explanation: Setup was run using a monitor resolution less than VGA resolution.

User Response: Use a monitor with resolution equal to or better than 640 x 480 pixels.

AMQ4724 Error restoring queue manager configuration.

Explanation: An error occurred restoring queue manager configuration from the config.reg file in the data directory.

User Response: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4729 You cannot install the Windows Client from the client CD because WebSphere MQ server components are already installed on this computer. To install the Windows Client on this computer, use the server CD.

Explanation: An attempt has been made to install a feature using the Windows client CD when one or more features have already been installed using the server CD. This is not allowed. Either uninstall the

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| server features first, or use only the server CD.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4732** No installation language specified. Use
| the TRANSFORMS property.
| **Explanation:** An attempt was made to invoke an
| installation without specifying a user-interface
| language. Use the TRANSFORMS property to specify a
| language.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4733** Unable to launch program '&s'.
| **Explanation:** An error occurred trying to execute the
| indicated program.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4734** Can't open file '&s'.
| **Explanation:** Setup was unable to open the indicated
| file for reading.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4735** Error &1 reading response file '&2'.
| **Explanation:** An error occurred.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4736** Error &1 creating response file '&2'.
| **Explanation:** An error occurred restoring queue
| manager configuration from the config.reg file in the
| data directory.
| **User Response:** Review the installation log file for
| details of any problems. If the error persists, contact
| your systems administrator.

| **AMQ4737** Unknown value '&1' for property '&2'
| in '&3'.

| **AMQ4738** Repair option is not supported.

| **AMQ4739** One or more problems occurred. Review
| the MSI log file for details.

| **AMQ4740** Unknown feature(s) '&1' in
| command-line property '&2'
| **Explanation:** A property, for example ADDLOCAL,
| containing a feature-list was specified, but one or more
| of the feature names was invalid.

| **User Response:** Remove the invalid feature name. If
| the error persists, contact your systems administrator.

| **AMQ4742** Unknown feature(s) '&1' in property
| '&2' in '&3'

| **Explanation:** A property, for example ADDLOCAL,
| containing a feature-list was specified, but one or more
| of the feature names was invalid.
| **User Response:** Remove the invalid feature name. If
| the error persists, contact your systems administrator.

| **AMQ4743** Unknown property '&1' in '&2'.

| **AMQ4744** Have you purchased sufficient license
| units to install IBM WebSphere MQ on
| this computer? (For further information
| on license units refer to the Quick
| Beginnings book.)

| **Explanation:** You must purchase the appropriate
| number of license units for the number of processors in
| this computer.
| **User Response:** If you have purchased the appropriate
| number of license units, reply "Yes", otherwise reply
| "No".

| **AMQ4745** This installation requires &d license
| units to have been purchased with IBM
| WebSphere MQ (for further information
| on license units refer to the Quick
| Beginnings book). If you do not know
| how many license units have been
| purchased, ask your system
| administrator or vendor. Have sufficient
| license units been purchased for this
| installation?

| **AMQ4746** Setup needs to install or upgrade this
| computer to version 2.0 of Microsoft
| Windows Installer (MSI). OK to proceed
| (You might need to reboot)?

| **Explanation:** A version of Microsoft Windows Installer
| (MSI) earlier than 2.0 is installed. WebSphere MQ Setup
| requires at least version 2.0.
| **User Response:** Reply "Yes" to install MSI version 2.0,
| otherwise "No". To install WebSphere MQ, version 2.0
| is required.

| **AMQ4748** Can't install on top of an Early-Version
| installation. Uninstall the Early Version
| first.

| **Explanation:** An attempt was made to install
| WebSphere MQ on top of an Early Version ("beta").
| **User Response:** Uninstall the Early Version before
| proceeding. If the error persists, contact your systems
| administrator.

AMQ4749 Can't install an Early Version on top of Version &s. Uninstall first.

Explanation: An attempt was made to install an Early Version ("beta") on top of another version of WebSphere MQ.

User Response: Uninstall the existing version of WebSphere MQ before proceeding with the Early Version. If the error persists, contact your systems administrator.

AMQ4750 Can't convert. Need production version of WebSphere MQ.

Explanation: The property TRIALTOPROD has been specified but the WebSphere MQ version on the CD is not a production version.

User Response: Do not specify TRIALTOPROD if the version of WebSphere MQ you are using is not a production version. If the error persists, contact your systems administrator.

AMQ4751 Can't convert. Installed product is not an Evaluation Copy.

Explanation: The property TRIALTOPROD has been specified but the WebSphere MQ version installed is not an Evaluation Copy.

User Response: Do not specify TRIALTOPROD if the installed version of WebSphere MQ is not an Evaluation Copy. If the error persists, contact your systems administrator.

AMQ4752 You have insufficient license units for this installation, and you must purchase additional units from your vendor. You can continue to install WebSphere MQ, but this status will be recorded in the error log. For information on how to inform WebSphere MQ when you have purchased sufficient license units, refer to the System Administration Guide. Do you want to proceed with WebSphere MQ installation?

Explanation: You replied "No" to message number AMQ4744.

User Response: Reply "Yes" to continue the installation, or "No" to cancel. Make sure that you purchase the appropriate number of license units.

AMQ4753 SupportPac™ MC74 (Microsoft Cluster Server support) is installed on this system. You must uninstall the SupportPac before installing WebSphere MQ server; see the Installation Guide.

Explanation: WebSphere MQ installation requires that SupportPac MC74 be uninstalled.

User Response: For more information, see the WebSphere MQ Installation Guide.

AMQ4755 This version of IBM WebSphere MQ does not yet support Windows XP. A CSD will provide this support.

Explanation: WebSphere MQ is not yet supported.

User Response: Do not attempt to install WebSphere MQ on Windows XP. A CSD will be provided to enable Windows XP support.

AMQ4763 Cannot overwrite WebSphere MQ at service level '&1' with service level '&2'.

Explanation: The service level you are trying to install is less than that already installed. The installation will not proceed.

User Response: Check that you are attempting to install the latest CSD.

AMQ4800 Parameter &1 must have an argument supplied.

Explanation: You specified a parameter that requires an argument to the amqmcert utility, but you did not provide the argument.

User Response: See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require. Enter the amqmcert command again, providing an argument to the parameter &1.

AMQ4801 Two or more of the parameters specified are not allowed together.

Explanation: You have specified parameters to the amqmcert utility that specify actions that cannot be done at the same time.

User Response: See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require. Enter the amqmcert command again two or more times, with the parameters required to carry out each action in turn.

AMQ4802 Invalid argument specified with parameter &1.

Explanation: You specified a parameter that requires an argument to the amqmcert utility, but the argument you provided is invalid.

User Response: See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require. Enter the amqmcert command again, providing a valid argument to the parameter &1.

AMQ4803 Parameter &1 not valid on client-only systems.

Explanation: You specified a parameter to the amqmcert utility that is not valid on a WebSphere MQ client.

User Response: To use this parameter, run the amqmcert utility on the WebSphere MQ server.

AMQ4804 • AMQ4816

-
- AMQ4804** Either the MQSSLKEYR environment variable must be set, or the -k parameter must be specified.
- Explanation:** You have not identified which certificate store amqmcert should use. You can identify this by setting an environment variable called MQSSLKEYR, or by using the -k parameter.
- User Response:** See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require, then do one of the following: set the MQSSLKEYR environment variable, and run the amqmcert command again with the same parameters or run the amqmcert command again with the addition of the -k parameter followed by the certificate store name.
-
- AMQ4805** No target filename provided, use the -s parameter to specify it.
- Explanation:** You requested amqmcert to export a certificate, but did not provide a filename for it.
- User Response:** See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require. Run the amqmcert command again, with the addition of the -s parameter followed by the file name to use for the exported certificate.
-
- AMQ4806** Either MQSSLKEYR must be set, or the -k or -m parameter specified to identify the certificate store to enumerate.
- Explanation:** You have not identified which certificate store amqmcert should use. You can identify this by setting an environment variable called MQSSLKEYR, or by using the -k or -m parameter.
- User Response:** See the WebSphere MQ System Administration Guide for information about the parameters and the arguments they require, then do one of the following: set the MQSSLKEYR environment variable, and run the amqmcert command again with the same parameters or run the amqmcert command again with the addition of the -k parameter followed by the certificate store name or run the amqmcert command again with the addition of the -m parameter followed by the queue manager name.
-
- AMQ4807** Error - unable to communicate with the remote server.
- Explanation:** You have requested that amqmcert use a remote server as the target for the action, but amqmcert was unable to establish communication with WebSphere MQ on the remote server.
- User Response:** Try the command again. If it fails, check that WebSphere MQ is running on the remote server. If possible, run the amqmcert utility on the target server.
-
- AMQ4808** The private key data for this certificate is not exportable, and cannot be copied to a WebSphere MQ certificate store.
- Explanation:** amqmcert is unable to copy the certificate specified into the certificate store because the private key data for this certificate is not exportable.
- User Response:** Use a different certificate.
-
- AMQ4809** No certificate has been assigned to this WebSphere MQ client.
- Explanation:** A certificate has not been assigned to this WebSphere MQ client.
- User Response:** None.
-
- AMQ4810** No certificate has been assigned to this WebSphere MQ queue manager.
- Explanation:** A certificate has not been assigned to this WebSphere MQ queue manager.
- User Response:** None.
-
- AMQ4811** This function is not supported.
- Explanation:** The function you requested is not supported by this version of WebSphere MQ.
- User Response:** None.
-
- AMQ4812** WebSphere MQ does not support SSL on Windows 98.
- Explanation:** The amqmcert utility is not available on the Windows 98 platform, as SSL, which uses certificates, is not supported on this platform.
- User Response:** None.
-
- AMQ4813** Certificate added successfully.
- Explanation:** amqmcert has added the certificate to the certificate store successfully.
- User Response:** None.
-
- AMQ4814** Certificate unassigned successfully.
- Explanation:** amqmcert has unassigned the certificate from the client or queue manager successfully.
- User Response:** None.
-
- AMQ4815** Certificate exported successfully.
- Explanation:** amqmcert has exported the certificate to a file successfully.
- User Response:** None.
-
- AMQ4816** Certificate imported successfully.
- Explanation:** amqmcert has imported the certificate from the file successfully.
- User Response:** None.
-

| **AMQ4817** **Certificate removed successfully.**
| **Explanation:** amqmcert has removed the certificate
| from the certificate store successfully.
| **User Response:** None.

| **AMQ4818** **Certificate assigned successfully.**
| **Explanation:** amqmcert has assigned the certificate to
| the client or queue manager successfully.
| **User Response:** None.

| **AMQ4819** **Certificate store deleted successfully.**
| **Explanation:** amqmcert has deleted the certificate
| store successfully.
| **User Response:** None.

| **AMQ4820** **The certificate store could not be**
| **deleted, reason code &1.**
| **Explanation:** amqmcert was unable to delete the
| certificate store.
| **User Response:** Retry the operation. If the problem
| persists, use the Event Viewer to check the event log,
| and check the queue manager's error log for more
| information about the error.

Chapter 3. AMQ5000-AMQ5999 Installable services messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ5005 Unexpected error

Explanation: An unexpected error occurred in an internal function of the product.

User Response: Save the generated output files and contact your IBM support center.

AMQ5006 Unexpected error: rc = &1

Explanation: An unexpected error occurred in an internal function of the product.

User Response: Save the generated output files and contact your IBM support center.

AMQ5008 An essential WebSphere MQ process &1 cannot be found and is assumed to be terminated.

Explanation: 1) A user has inadvertently terminated the process. 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible it has terminated the process so that a new process can be created.

User Response: WebSphere MQ will stop all MQ processes. Inform your systems administrator. When the problem is rectified WebSphere MQ can be restarted.

AMQ5009 WebSphere MQ agent process &1 has terminated unexpectedly.

Explanation: WebSphere MQ has detected that an agent process has terminated unexpectedly. The queue manager connection(s) that this process is responsible for will be broken.

User Response: Use any previous FFSTs to determine the reason for the failure. Try to eliminate the following reasons before contacting your IBM support center.

- 1) A user has inadvertently terminated the process.
- 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible that the operating system has terminated the process so that a new process can be created.

AMQ5010 The system is restarting the WorkLoad Management Server process.

Explanation: The system has detected that the WorkLoad Management server process (amqzlw0, pid:&1) has stopped and is restarting it.

User Response: Save the generated output files which may indicate the reason why the WorkLoad Management process stopped. If the reason the WorkLoad Management Server process stopped is a problem in a WorkLoad Management user exit, correct the problem, otherwise contact your IBM support center.

AMQ5011 The Queue Manager ended for reason &1 '&3'

Explanation: The Queue Manager ended because of a previous error &1 or '&3'

User Response: This message should be preceded by a message or FFST™ information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ5203 An error occurred calling the XA interface.

Explanation: The error number is &2 where a value of 1 indicates the supplied flags value of &1 was invalid, 2 indicates that there was an attempt to use threaded and non-threaded libraries in the same process, 3 indicates that there was an error with the supplied queue manager name '&3', 4 indicates that the resource manager id of &1 was invalid, 5 indicates that an attempt was made to use a second queue manager called '&3' when another queue manager was already connected, 6 indicates that the Transaction Manager has been called when the application isn't connected to a queue manager, and 7 indicates that the XA call was made while another call was in progress.

AMQ5204 • AMQ5510

User Response: Correct the error and try the operation again.

AMQ5204 A non-threaded application tried to run as a Trusted application.

Explanation: Only applications linked with the threaded MQ libraries can run as Trusted applications.

User Response: Make sure that the application is relinked with the threaded MQ libraries, or set the environment variable MQ_CONNECT_TYPE to STANDARD.

AMQ5358 WebSphere MQ could not load AX support module '&3'.

Explanation: An error has occurred loading the AX support module &3. This module needs to be loaded so that dynamically-registering resource managers, such as DB2[®], can participate in global units of work.

User Response: Look for a previous message outlining the reason for the load failure. Message AMQ6175 should have been issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the AX support module and the mqmax library have been correctly installed on your system.

AMQ5501 There was not enough storage to satisfy the request

Explanation: An internal function of the product attempted to obtain storage, but there was none available.

User Response: Stop the product and restart it. If this does not resolve the problem, save the generated output files and contact your IBM support center.

AMQ5502 The CDS directory name '&3' is not in the correct format.

Explanation: An internal function of the DCE Naming service found a CDS directory name in the wrong format. The name was expected to start with either '/.../' for a fully qualified name (from global root), or '/:.' for a partially qualified name (from local cell root).

User Response: Save the generated output files and contact your IBM support center.

AMQ5503 The name of the local DCE cell cannot be determined, status = &1

Explanation: The DCE Naming Service attempted to determine the name of the local DCE cell by calling 'dce_cf_get_cell_name()', which returned a nonzero return code.

User Response: Save the generated output files and contact your IBM support center.

AMQ5504 DCE error. No value for the XDS attribute found.

Explanation: The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

User Response: Save the generated output files and contact your IBM support center.

AMQ5505 DCE error. No value for the XDS attribute number &1 found.

Explanation: The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

User Response: Save the generated output files and contact your IBM support center.

AMQ5506 DCE error. '&3' returned &1 for attribute number &2.

Explanation: The DCE Naming service queried an object by calling '&3' which returned a nonzero return code.

User Response: Save the generated output files and contact your IBM support center.

AMQ5507 DCE error. '&3' failed for an unknown reason.

Explanation: An unexpected error occurred in an internal function of the DCE Naming service.

User Response: Save the generated output files and contact your IBM support center.

AMQ5508 DCE error. The requested attribute is not present.

Explanation: The DCE Naming service was attempting to extract the value from an attribute, but the attribute cannot be found in the XDS object.

User Response: Save the generated output files and contact your IBM support center.

AMQ5509 DCE error. The XDS workspace cannot be initialized.

Explanation: The DCE Naming service called 'ds_initialize()' to initialize the XDS workspace, but 'ds_initialize()' returned a nonzero return code.

User Response: Save the generated output files and contact your IBM support center.

AMQ5510 DCE error. '&3' returned with problem &1.

Explanation: The DCE Naming service found an unexpected XDS error.

User Response: Save the generated output files and contact your IBM support center.

AMQ5511 Installable service component '&3' returned '&4'.

Explanation: The internal function, that adds a component to a service, called the component initialization process. This process returned an error.

User Response: Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5512 Installable service component '&3' returned '&4' for queue manager name = '&5'.

Explanation: An installable service component returned an unexpected return code.

User Response: Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5513 '&3' returned &1.

Explanation: An unexpected error occurred.

User Response: Save the generated output files and contact your IBM support center.

AMQ5519 Bad DCE identity. Status = &1, auth = &2, keytab file = '&3', principal = '&4'.

Explanation: The keytab file was not installed correctly, or the WebSphere MQ user ID has a different password from that used to create the keytab file.

User Response: Make sure that the MQ user ID defined when the product was installed has the same password as that defined by the keytab file, and that the keytab file has been installed correctly.

AMQ5520 The system could not load the module '&5' for the installable service '&3' component '&4'. The system return code was &1. The Queue Manager is continuing without this component.

Explanation: The queue manager configuration data included a stanza for the installable service '&3' component '&4' with the module '&5'. The system returned &1 when it tried to load this module. The Queue Manager is continuing without this component.

User Response: Make sure that the module can be loaded. Put the module into a directory where the system can load it, and specify its full path and name in the configuration data. Then stop and restart the queue manager.

AMQ5521 The system could not open "&3".

Explanation: The system failed to open the default object "&3" at connect time for reason &4. This may be because "&3" has been deleted or changed.

User Response: Recreate the default objects by running "strmqm -c <qmgr>" (where <qmgr> is the name of the queue manager) and retry the application.

AMQ5522 A WebSphere MQ installable service component could not be initialized.

Explanation: An installable service component returned an unexpected return code.

User Response: Check the queue manager error logs for messages explaining which installable service could not be initialized and why that service could not be initialized. Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5524 The WebSphere MQ Object Authority Manager has failed to migrate authority data.

Explanation: The Object Authority Manager has attempted to migrate existing queue manager authority data from a previous version of an Object Authority Manager and failed.

User Response: Check this log for any previous related messages, follow their recommendations then restart the queue manager.

AMQ5525 The WebSphere MQ Object Authority Manager has failed.

Explanation: The Object Authority Manager has failed to complete an MQ request.

User Response: Check the queue manager error logs for messages explaining the failure and try to correct the problem accordingly.

AMQ5526 The WebSphere MQ Object Authority Manager has failed with reason &1

Explanation: The Object Authority Manager has failed an operation on the Object Authority Manager's data queue '&3' with reason &1.

User Response: Investigate why the error has occurred and correct the problem.

AMQ5527 The WebSphere MQ Object Authority Manager has failed to locate an essential authority file

Explanation: The Object Authority Manager has failed to locate the authority file '&3'. The migration of authority data cannot continue until the file has been restored. The queue manager will shutdown.

User Response: Restore the authority file mentioned above and restart the queue manager.

AMQ5528 • AMQ5653

AMQ5528 **The WebSphere MQ Object Authority Manager has failed to locate an object's authority file**

Explanation: The Object Authority Manager has failed to locate the authority file for the object '&3' of type (&1). The authority access to this object will initially be limited to members of the mqm group. Where type is one of the following:

- 1) Queue
- 2) Namelist
- 3) Process
- 5) Queue Manager

User Response: To extend access to this object use the setmqaut command, see the WebSphere MQ System Administration documentation for details.

AMQ5615 **Default objects cannot be created: CompCode = &1 Reason = &2.**

Explanation: During the creation of a queue manager, using the crtmqm command, the default objects could not be created. Possible reasons for this include another command, issued elsewhere, quiescing or stopping the queue manager, or insufficient storage being available.

User Response: Use the Completion and Reason codes shown in the message to determine the cause of the failure, then re-try the command.

AMQ5617 **Default objects cannot be created.**

Explanation: During the creation of a queue manager using the crtmqm command, the default objects could not be created. The most likely reason for this error is that the queue manager was started before the crtmqm command had completed.

User Response: Ensure that the queue manager being created is not started before the create request completes. Stop the queue manager if it is already running. Restart the queue manager using the strmqm command with the '-c' option to request that the default objects are created.

| **AMQ5635** **The argument supplied with the -l flag is not valid.**

| **Explanation:** The argument supplied with the -l flag must be in the range 1-4293.

| **User Response:** Submit the command again with a valid argument.

| **AMQ5637** **The environment variable EXTSHM is set to "ON". This is incompatible with the way WebSphere MQ uses shared memory. Reset the environment variable EXTSHM and retry the command.**

| **Explanation:** On AIX the environment variable EXTSHM causes shared memory segments to be fixed size. WebSphere MQ expects to be able to extend shared memory segments.

| **User Response:** Reset the environment variable EXTSHM and retry the command.

AMQ5642 **The Principal name was specified incorrectly.**

Explanation: The specified Principal name does not conform to the rules required by WebSphere MQ.

User Response: Correct the name and submit the command again.

AMQ5643 **Error modifying an entry in the Principal database.**

Explanation: WebSphere MQ was unable to update or delete the specified entry in the Principal database.

User Response: Make sure that the entry for this Principal exists and submit the command again.

AMQ5645 **The Tandem User name was specified incorrectly.**

Explanation: The specified Tandem User name does not conform to the rules required by WebSphere MQ.

User Response: Correct the name and submit the command again.

| **AMQ5652** **The Deferred Message process failed to connect to the WebSphere MQ queue manager for reason &1.**

| **Explanation:** The WebSphere MQ queue manager '&3' might have generated earlier messages or FFST information explaining why the deferred message process (amqzdmaa) could not connect.

| **User Response:** Correct any configuration errors. Configuration errors that can cause this problem include badly configured CLWL Exit modules. If the problem persists contact your IBM service representative.

| **AMQ5653** **The mqm user is not defined.**

| **Explanation:** The system call getpwnam("mqm") failed with errno &1. The program was running as &3.

| **User Response:** Create the mqm user as a member of the mqm group and retry the operation.

Chapter 4. AMQ6000-AMQ6999 Common services messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ6004 An error occurred during WebSphere MQ initialization or ending.

Explanation: An error was detected during initialization or ending of MQ. The MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6015 The operating system is either too busy or has insufficient resources to complete a system request.

Explanation: A system request '&3' was rejected by the operating system with return code '&1'. WebSphere MQ retried the request, but it continued to fail. This failure may indicate that the operating system is either too busy or has insufficient resources to complete the request.

User Response: Investigate whether the system is constrained by the workload on this system or by the workload on a server that it is using, and reduce the workload.

AMQ6025 Program not found.

Explanation: WebSphere MQ is unable to start program &3 because it was not found.

User Response: Check the program name is correctly specified and rerun the program.

AMQ6026 A resource shortage prevented the creation of a WebSphere MQ process.

Explanation: An attempt to create an MQ process was rejected by the operating system due to a process limit (either the number of processes for each user or the total number of processes running system wide), or because the system does not have the resources necessary to create another process.

User Response: Investigate whether a process limit is preventing the creation of the process and if so why the

system is constrained in this way. Consider raising this limit or reducing the workload on the system.

AMQ6035 WebSphere MQ failed, no storage available.

Explanation: An internal function of the product attempted to obtain storage, but there was none available.

User Response: Stop the product and restart it. If this does not resolve the problem, save the generated output files and contact your IBM support center.

AMQ6037 WebSphere MQ was unable to obtain enough storage.

Explanation: The product is unable to obtain enough storage. The product's error recording routine may have been called.

User Response: Stop the product and restart it. If this does not resolve the problem see if a problem has been recorded. If a problem has been recorded, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6047 Conversion not supported.

Explanation: WebSphere MQ is unable to convert string data tagged in CCSID &1 to data in CCSID &2.

User Response: Check the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6048 DBCS error

Explanation: WebSphere MQ is unable to convert string data due to a DBCS error. Conversion is from CCSID &1 to CCSID &2.

User Response: Check the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6049 • AMQ6109

AMQ6049 DBCS-only string not valid.
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2. Message descriptor data must be in single-byte form. CCSID &2 is a DBCS-only CCSID.
User Response: Check the CCSID of your job or system and change it to one supporting SBCS or mixed character sets. Refer to the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications for character sets and CCSIDs supported.

AMQ6050 CCSID error.
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2.
User Response: Check the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6051 Conversion length error.
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2, due to an input length error.
User Response:

AMQ6052 Conversion length error.
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2.
User Response:

AMQ6053 CCSID error
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2.
User Response: One of the CCSIDs is not supported by the system. Check the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6064 An internal WebSphere MQ error has occurred.
Explanation: An error has been detected, and the MQ error recording routine has been called.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6090 WebSphere MQ was unable to display an error message &6.
Explanation: MQ has attempted to display the message associated with return code hexadecimal '&6'. The return code indicates that there is no message text associated with the message. Associated with the request are inserts &1 : &2 : &3 : &4 : &5.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6091 An internal WebSphere MQ error has occurred.
Explanation: Private memory has detected an error, and is abending due to &3. The error data is &1.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6092 Manual conversion required for CCSID: &1
Explanation: CCSID &1 exists in new format but could not be reconciled against your old format.
User Response: Manually edit CCSID entry &1 in conv\table\ccsid.tbl if you wish to retain your old conversion. For assistance call your Service Representative.

AMQ6100 An internal WebSphere MQ error has occurred.
Explanation: MQ has detected an error, and is abending due to &3. The error data is &1.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6107 CCSID not supported.
Explanation: WebSphere MQ is unable to convert string data in CCSID &1 to data in CCSID &2, because one of the CCSIDs is not recognized.
User Response: Check the WebSphere MQ Application Programming Reference Appendix and the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6109 An internal WebSphere MQ error has occurred.
Explanation: An error has been detected, and the MQ error recording routine has been called.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6110 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6115 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6118 An internal WebSphere MQ error has occurred (&1)

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6119 An internal WebSphere MQ error has occurred (&3)

Explanation: MQ detected an unexpected error when calling the operating system. The MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6120 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6121 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: MQ has detected a parameter count of &1 that is not valid. Use the standard facilities supplied with your system to record the problem

identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6122 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: MQ has detected parameter &1 that is not valid, having value &2&3. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6125 An internal WebSphere MQ error has occurred.

Explanation: An internal error has occurred with identifier &1. This message is issued in association with other messages.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6148 An internal WebSphere MQ error has occurred.

Explanation: MQ has detected an error, and is abending due to &3. The error data is &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6150 WebSphere MQ semaphore is busy.

Explanation: WebSphere MQ was unable to acquire a semaphore within the normal timeout period of &1 minutes.

User Response: MQ will continue to wait for access. If the situation does not resolve itself and you suspect that your system is locked then investigate the process which owns the semaphore. The PID of this process will be documented in the accompanying FFST.

AMQ6162 An error occurred when reading the configuration data.

Explanation: An error has occurred when reading the configuration data.

User Response: If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6162 • AMQ6175

AMQ6162 An error has occurred reading an INI file.

Explanation: An error has occurred when reading the MQSINI file or a queue manager QMINI file.

User Response: If you have been changing the INI file content check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163 An error has occurred locking the configuration data.

Explanation: An error has occurred locking the configuration data.

User Response: If you have changed the registry permissions, check and correct the change. If you have not changed the registry, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163 An error has occurred locking an INI file.

Explanation: An error has occurred locking the MQSINI file or a queue manager QMINI file.

User Response: If you have been changing the INI file permissions check and correct the change. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6164 An expected stanza in the configuration data is missing or contains errors.

Explanation: An expected stanza is missing from the configuration data or the stanza contains errors.

User Response: If you have changed the configuration data, check and correct the change.

AMQ6164 An expected stanza in an INI file is missing or contains errors.

Explanation: An expected stanza is missing from the MQS.INI file or a queue manager QM.INI file or the stanza contains errors.

User Response: If you have been changing the INI file content check and correct the change.

AMQ6165 Unable to access the configuration data.

Explanation: Access to the configuration data is denied.

User Response: If you have changed the configuration data permissions, check and correct the changes.

AMQ6165 Unable to access an INI file.

Explanation: Access to the MQS.INI file or a queue manager QM.INI file is denied.

User Response: If you have been changing the INI file permissions check and correct the change.

AMQ6166 An entry in the configuration data is missing.

Explanation: A required entry in the configuration data is missing.

User Response: If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ6166 An INI file is missing.

Explanation: The MQS.INI file or a queue manager QM.INI file is missing.

User Response: If you have been changing the INI file recover the previous file and retry the operation.

AMQ6172 No codeset found for current locale.

Explanation: No codeset could be determined for the current locale. Check that the locale in use is supported.

User Response: None.

AMQ6173 No CCSID found for codeset &3.

Explanation: Codeset &3 has no supported CCSID. Check that the locale in use is supported. CCSIDs can be added by updating the file
/var/mqm/conv/table/ccsid.tbl.

User Response: None.

AMQ6174 The library &3 was not found. The queue manager will continue without this module.

Explanation: The dynamically loadable file &3 was not found.

User Response: Check that the file exists and is either fully qualified or is in the appropriate directory.

AMQ6175 The system could not dynamically load the library &3. The system return code was &1. The queue manager will continue without this module.

Explanation: This message applies to Windows NT and Windows 2000 systems only. The dynamically loadable file &3 failed to load correctly due to an internal error. The MQ error recording routine has been called.

User Response: Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6175 The system could not dynamically load the library &3. The error message was &4. The queue manager will continue without this module.

Explanation: This message applies to UNIX systems. The dynamically loadable file &3 failed to load correctly due to an internal error and the MQ error recording routine has been called.

User Response: Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6177 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the MQ error recording routine has been called.

User Response: Details of the error have been stored at &3. A synopsis is given in the data section below. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6179 Load of dynamic module failed.

Explanation: WebSphere MQ is unable to load dynamic module &3 because &4.

User Response:

AMQ6180 Default conversion not supported.

Explanation: WebSphere MQ is unable to convert string data tagged in CCSID &1 to data in CCSID &2.

User Response: Check the default CCSIDs specified in the ccsid.tbl file and make sure that conversion is supported between these CCSIDs.

AMQ6182 Error found in line &1 of ccsid.tbl

Explanation: Line &1 contains an error. The content of the line is &3. Processing continues but the line in error is ignored.

User Response: Correct the line and rerun the program or command giving this message.

AMQ6183 An internal WebSphere MQ error has occurred.

Explanation: An error has been detected, and the WebSphere MQ error recording routine has been called. The failing process is process &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6184 An internal WebSphere MQ error has occurred on queue manager &3.

Explanation: An error has been detected, and the WebSphere MQ error recording routine has been called. The failing process is process &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6187 User is not authorized for RestrictedMode queue manager.

Explanation: All users must be in the RestrictedMode application_group.

User Response:

AMQ6188 The system could not dynamically load the shared library '&3' due to a problem with the library. The error message was '&4'. The queue manager will continue without this library.

Explanation: This message applies to AIX systems. The shared library '&3' failed to load correctly due to a problem with the library.

User Response: Check that the library exists and is in the correct place with the correct file permissions etc. and has not been corrupted. Check that the entry point 'MQStart' has been exported from the library.

AMQ6190 Program '&3' not found.

Explanation: The program '&3' cannot be found.

User Response: Check that the program specified is available on your system. If the program name is not fully qualified, ensure that the PATH environment variable includes the directory where the program is located.

AMQ6191 Program '&3' failed to start, return code &1.

Explanation: The program '&3' was invoked, but failed to start. The failure reason code is &1.

User Response: Check that the program specified is available on your system, and that sufficient system resources are available. Where applicable, verify that the user is authorized to run the program.

AMQ6193 The registry entry &3 was not found.

Explanation: WebSphere MQ for Windows NT and Windows 2000 sets the registry entry &3 when the product is installed, but the entry is now missing.

User Response: If the registry has been edited, restore the previous version. If the product is newly installed, check whether the installation was successful, and reinstall the product if necessary.

AMQ6196 An error has occurred whilst processing a temporary INI file &3

Explanation: An error has occurred when creating a backup of an INI file. The backup file &4 already exists
User Response: You may have created a backup of the INI file with the name &4, or an earlier operation may have failed. Move or delete the file &4 and reattempt the operation. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6207 Failed to attach shared memory segment as Segment table is Full.

Explanation: When running in native mode an application may attach only 10 shared memory segments. The application which issued this message attempted to exceed this number. By setting the environment variable EXTSHM=ON this limit can be removed. Further explanation on using this variable and other options available, may be found in the documentation.

User Response: Either reduce the number of segments to which your application needs to attach or set the EXTSHM=ON variable in your environment before starting the application.

AMQ6209 An unexpected asynchronous signal (&1 : &3) has been received and ignored.

Explanation: Process &2 received an unexpected asynchronous signal and ignored it. This has not caused an error but the source of the signal should be determined as it is likely that the signal has been generated externally to WebSphere MQ.

User Response: Determine the source of the signal and prevent it from reoccurring.

AMQ6212 Failed to load Library &3 as C++ environment is not initialized.

Explanation: An attempt was made to load the identified C++ shared library. However, the attempt failed because the C++ environment has not been initialized for the current process.

User Response: Ensure the application is linked with the appropriate C++ runtime environment.

AMQ6218 EXTSHM variable detected with unrecognized value '&3' and has been reset to '&4'.

Explanation: Processes that access the internal queue manager control blocks must use the AIX Extended Shared Memory model, and while one such process was starting, WebSphere MQ detected that the EXTSHM variable was set but did not contain an appropriate value. This value has been reset and the process will continue with the new setting.

User Response: No further action is required. To

prevent this message being issued in future, correct the value of the EXTSHM variable in your environment.

AMQ6708 A disk full condition was encountered when formatting a new log file in location &3.

Explanation: The queue manager attempted to format a new log file in directory &3. The drive or file system containing this directory did not have sufficient free space to contain the new log file.

User Response: Increase the amount of space available for log files and retry the request.

AMQ6709 The log for the Queue manager is full.

Explanation: This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

User Response: This situation may be encountered during a period of unusually high message traffic. However, if you persistently fill the log, you may have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager. Alternatively, if you need to make the log files themselves bigger, you will have to delete and recreate the queue manager.

AMQ6710 Queue manager unable to access directory &3.

Explanation: The queue manager was unable to access directory &3 for the log. This could be because the directory does not exist, or because the queue manager does not have sufficient authority.

User Response: Ensure that the directory exists and that the queue manager has authority to read and write to it. Ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ6767 Log file &3 could not be opened for use.

Explanation: Log file &3 could not be opened for use. Possible reasons include the file being missing, the queue manager being denied permission to open the file or the contents of the file being incorrect.

User Response: If the log file was required to start the queue manager, ensure that the log file exists and that the queue manager is able to read from and write to it. If the log file was required to recreate an object from its media image and you do not have a copy of the required log file, delete the object instead of recreating it.

AMQ6774 Log file &3 did not contain the requested log record.

Explanation: Log file &3 does not contain the log record whose LSN is &4. This is because the log file numbers have wrapped and the log file name &3 has been reused by a newer file. Once a log file name has been reused, it is not possible to access the data in the previous versions of the file to use this name. The operation which requested this log record cannot be completed.

User Response:

AMQ6782 The log file numbers have wrapped.

Explanation: Each log file formatted is assigned a number which makes up part of its file name. The numbers are allocated sequentially and consist of seven digits giving a maximum of 10 million different log file names. Once all available numbers have been allocated, the queue manager again starts allocating numbers starting from zero. Once a file number has been reallocated, you can no longer access data in the previous log files allocated the same number. The file numbers wrapped at log sequence number &3.

User Response: You should periodically take media images of all WebSphere MQ objects. You must ensure that media images of all objects which you may need to recreate do not span more than 10 million log files.

Chapter 5. AMQ7000-AMQ7999 WebSphere MQ product messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ7001 The location specified for the creation of the queue manager is not valid.

Explanation: The directory under which the queue managers are to be created is not valid. It may not exist, or there may be a problem with authorization.

User Response: The location is specified in the configuration data. Correct the configuration data and submit the request again.

AMQ7002 An error occurred manipulating a file.

Explanation: An internal error occurred while trying to create or delete a queue manager file. It is likely that the error was caused by a disk having insufficient space, or by problems with authorization to the underlying file system.

User Response: Identify the file that caused the error, using problem determination techniques. For example check if there are any FFST files, which may identify the queue manager file causing the error. This error may also be caused if users have created, renamed or deleted that file. Correct the error in the file system and submit the request again.

AMQ7002 An error occurred manipulating a file.

Explanation: An internal error occurred while trying to create or delete a queue manager file.

In the case of a failure to delete a file a common reason for this error is that a non MQ process, such as the windows explorer or a virus checker, is accessing the file. In the case where the object that cannot be deleted is a directory then a non MQ process may be accessing a file within the directory or one of its subdirectories.

It is also possible that the error was caused by a disk having insufficient space, or by problems with authorization to the underlying file system.

User Response: Identify the file that caused the error, using problem determination techniques. For example check if there are any FFST files, which may identify the queue manager file causing the error. This error

may also be caused if users have created, renamed or deleted that file. Correct the error in the file system and submit the request again.

AMQ7005 The queue manager is running.

Explanation: You tried to perform an action that requires the queue manager stopped, however, it is currently running. You probably tried to delete or start a queue manager that is currently running.

User Response: If the queue manager should be stopped, stop the queue manager and submit the failed command again.

AMQ7006 Missing attribute &5 from configuration data.

Explanation: The &4 stanza in the configuration data is missing the required &5 attribute.

User Response: Check the contents of the configuration data and retry the operation.

AMQ7008 The queue manager already exists.

Explanation: You tried to create a queue manager that already exists.

User Response: If you specified the wrong queue manager name, correct the name and submit the request again.

AMQ7010 The queue manager does not exist.

Explanation: You tried to perform an action against a queue manager that does not exist. You may have specified the wrong queue manager name.

User Response: If you specified the wrong name, correct it and submit the command again. If the queue manager should exist, create it, and then submit the command again.

AMQ7011 • AMQ7022

AMQ7011 The queue manager files have not been completely deleted.

Explanation: While deleting the queue manager, an error occurred deleting a file or directory. The queue manager may not have been completely deleted.

User Response: Follow problem determination procedures to identify the file or directory and to complete deletion of the queue manager.

AMQ7012 The specified trigger interval is not valid.

Explanation: You specified a value for the trigger interval that is not valid. The value must be not less than zero and not greater than 999 999 999.

User Response: Correct the value and resubmit the request.

AMQ7013 There is an error in the name of the specified dead-letter queue.

Explanation: You specified a name for the dead-letter queue that is not valid.

User Response: Correct the name and resubmit the request.

AMQ7014 There is an error in the name of the specified default transmission queue.

Explanation: You specified a name for the default transmission queue that is not valid.

User Response: Correct the name and submit the command again.

AMQ7015 There is an error in the maximum number of open object handles specified.

Explanation: You specified a value for the maximum number of open object handles to be allowed that is not valid. The value must be not less than zero and not greater than 999 999 999.

User Response: Correct the value and submit the command again.

AMQ7016 There is an error in the maximum number of uncommitted messages specified.

Explanation: You specified a value for the maximum number of uncommitted messages to be allowed that is not valid. The value must be not less than 1 and not greater than 999 999 999.

User Response: Correct the value and submit the command again.

AMQ7017 Log not available.

Explanation: The queue manager was unable to use the log. This could be due to a log file being missing or damaged, or the log path to the queue manager being inaccessible.

User Response: Ensure that the LogPath attribute in

the queue manager configuration file is correct. If a log file is missing or otherwise unusable, restore a backup copy of the file, or the entire queue manager.

AMQ7018 The queue manager operation cannot be completed.

Explanation: An attempt has been made to perform an operation on a queue manager. Resources required to perform the operation are not available.

User Response:

AMQ7019 An error occurred while creating the directory structure for the new queue manager.

Explanation: During creation of the queue manager an error occurred while trying to create a file or directory.

User Response: Identify why the queue manager files cannot be created. It is probable that there is insufficient space on the specified disk, or that there is a problem with access control. Correct the problem and submit the command again.

AMQ7020 The operation was carried out, but one or more transactions remain in-doubt.

Explanation: The queue manager tried to resolve all internally coordinated transactions which are in-doubt. In-doubt transactions still remain after the queue manager has attempted to deliver the outcome of these transactions to the resource managers concerned.

Transactions remain in-doubt when the queue manager cannot deliver the outcome of the transaction to each of the participating resource managers. For example, a resource manager may not be available at this time.

User Response: Use the DSPMQTRN command to display the remaining in-doubt transactions.

AMQ7021 An error occurred while deleting the directory structure for the queue manager.

Explanation: While deleting the queue manager, an error occurred deleting a file or directory. The queue manager may not have been completely deleted.

User Response: Follow problem determination procedures to identify the file or directory and to complete deletion of the queue manager.

AMQ7022 The resource manager identification number is not recognized.

Explanation: The identification number of the resource manager you supplied was not recognized.

User Response: Ensure that you entered a valid resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers.

AMQ7023 The resource manager was in an invalid state.

Explanation: The resource manager, the identification number of which you supplied, was in an invalid state.

User Response: Ensure that you entered the correct resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers. A resource manager is in an invalid state, if it is still available to resolve the transaction, use the -a optional flag to resolve this and all other internally coordinated in-doubt transactions.

AMQ7024 Arguments supplied to a command are not valid.

Explanation: You supplied arguments to a command that it could not interpret. It is probable that you specified a flag not accepted by the command, or that you included extra flags.

User Response: Correct the command and submit it again. Additional information on the arguments causing the error may be found in the error logs for the queue, or queue manager, referenced in the command.

AMQ7025 Error in the descriptive text argument (-c parameter) of the crtmqm command.

Explanation: The descriptive text you supplied to the crtmqm command was in error.

User Response: Correct the descriptive text argument and submit the command again.

AMQ7026 A principal or group name was invalid.

Explanation: You specified the name of a principal or group which does not exist.

User Response: Correct the name and resubmit the request.

AMQ7027 Argument &3 supplied to command &4 is invalid.

Explanation: The argument &3 was supplied to the command &4 which could not be interpreted. This argument is either not accepted by the command, or an extra flag has been included.

User Response: Correct the command and submit it again.

AMQ7028 The queue manager is not available for use.

Explanation: You have requested an action that requires the queue manager running, however, the queue manager is not currently running.

User Response: Start the required queue manager and submit the command again.

AMQ7030 Quiesce request accepted. The queue manager will stop when all outstanding work is complete.

Explanation: You have requested that the queue manager end when there is no more work for it. In the meantime, it will refuse new applications that attempt to start, although it allows those already running to complete their work.

User Response: None.

AMQ7031 The queue manager is stopping.

Explanation: You issued a command that requires the queue manager running, however, it is currently in the process of stopping. The command cannot be run.

User Response: None

AMQ7041 Object already exists.

Explanation: A Define Object operation was performed, but the name selected for the object is already in use by an object that is unknown to WebSphere MQ. The object name selected by MQ was &3, in directory &4, of object type &5.

User Response: Remove the conflicting object from the MQ system, then try the operation again.

AMQ7042 Media image not available for object &3 of type &4.

Explanation: The media image for object &3, type &4, is not available for media recovery. A log file containing part of the media image cannot be accessed.

User Response: A previous message indicates which log file could not be accessed. Restore a copy of the log file and all subsequent log files from backup. If this is not possible, you must delete the object instead.

AMQ7044 Media recovery not allowed.

Explanation: Media recovery is not possible on a queue manager using a circular log. Damaged objects must be deleted on such a queue manager.

User Response: None.

AMQ7047 An unexpected error was encountered by a command.

Explanation: An internal error occurred during the processing of a command.

User Response: Follow problem determination procedures to identify the cause of the error.

AMQ7048 The queue manager name is either not valid or not known

Explanation: Either the specified queue manager name does not conform to the rules required by WebSphere MQ or the queue manager does not exist. The rules for naming MQ objects are detailed in the WebSphere MQ Command Reference.

User Response: Correct the name and submit the command again.

AMQ7053 • AMQ7069

AMQ7053 The transaction has been committed.

Explanation: The prepared transaction has been committed.

User Response: None.

AMQ7054 The transaction has been backed out.

Explanation: The prepared transaction has been backed out.

User Response: None.

AMQ7055 The transaction number is not recognized.

Explanation: The number of the transaction you supplied was not recognized as belonging to an in-doubt transaction.

User Response: Ensure that you entered a valid transaction number. It is possible that the transaction number you entered corresponds to a transaction which was committed or backed out before you issued the command to resolve it.

AMQ7056 Transaction number &1,&2.

Explanation: This message is used to report the number of an in-doubt transaction.

User Response: None.

AMQ7059 An error occurred when reading the configuration data.

Explanation: An error has occurred when reading the configuration data.

User Response: If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7060 An error has occurred locking the configuration data.

Explanation: An error has occurred locking the configuration data.

User Response: If you have changed the configuration data permissions, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7061 An expected stanza in the configuration data is missing or contains errors.

Explanation: An expected stanza is missing from the configuration data or the stanza contains errors.

User Response: If you have changed the configuration data, check and correct the change.

AMQ7062 Unable to access the configuration data.

Explanation: Access to the configuration data is denied.

User Response: If you have changed the configuration data permissions, check and correct the change.

AMQ7063 Configuration data is missing.

Explanation: The configuration data for WebSphere MQ is missing.

User Response: If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ7064 Log path not valid or inaccessible.

Explanation: The supplied log path could not be used by the queue manager. Possible reasons for this include the path not existing, the queue manager not being able to write to the path, or the path residing on a remote device.

User Response: Ensure that the log path exists and that the queue manager has authority to read and write to it. If the queue manager already exists, ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ7065 Insufficient space on disk.

Explanation: The operation cannot be completed due to shortage of disk space.

User Response: Either make more disk space available, or reduce the disk requirements of the command you issued.

AMQ7066 There are no prepared transactions.

Explanation: There are no prepared transactions to be resolved.

User Response: None.

AMQ7068 Authority file contains an authority stanza that is not valid.

Explanation: A syntax error has been found in one of the files containing authorization information for the queue manager.

User Response: Correct the contents of the incorrect authorization file by editing it.

AMQ7069 The queue manager was created successfully, but cannot be made the default.

Explanation: The queue manager was defined to be the default queue manager for the machine when it was created. However, although the queue manager has been created, an error occurred trying to make it the default. There may not be a default queue manager defined for the machine at present.

User Response: There is probably a problem with the configuration data. Update the configuration data to specify the desired default queue manager, or delete

and recreate the queue manager.

AMQ7072 Stanza not valid. Refer to the error log for more information.

Explanation: A stanza that is not valid was found. Refer to the error log for more information.

User Response: Correct the error and retry the operation.

AMQ7073 Log size not valid.

Explanation: Either the number of log files or the size of the log files was outside the accepted values.

User Response: Make sure that the log parameters you enter lie within the valid range.

AMQ7074 Unknown stanza key &4 at &3 in the configuration data.

Explanation: Key &3 contained a stanza called &4. This stanza is not recognized.

User Response: Check the contents of the configuration data and retry the operation.

AMQ7075 Unknown attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained an attribute called &4 that is not valid. This attribute is not recognized in this context.

User Response: Check the contents of the configuration data and retry the operation.

AMQ7076 Value &5 not valid for attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained value &5 that is not valid for the attribute &4.

User Response: Check the contents of the configuration data and retry the operation.

AMQ7077 You are not authorized to perform the requested operation.

Explanation: You tried to issue a command for the queue manager. You are not authorized to perform the command.

User Response: Contact your system administrator to perform the command for you. Alternatively, request authority to perform the command from your system administrator.

AMQ7078 You entered an object type that is invalid with a generic profile name.

Explanation: You entered an object type of *ALL or *MQM and an object name that contains generic characters, this is an invalid combination.

User Response: Correct the command and submit it again.

AMQ7080 No objects processed.

Explanation: No objects were processed, either because no objects matched the criteria given, or because the objects found did not require processing.

User Response: None.

AMQ7081 Object &3, type &4 recreated.

Explanation: The object &3, type &4 was recreated from its media image.

User Response: None.

AMQ7082 Object &3, type &4 is not damaged.

Explanation: Object &3, type &4 cannot be recreated since it is not damaged.

User Response: None

AMQ7083 A resource problem was encountered by a command.

Explanation: The command failed due to a resource problem. Possible causes include the log being full or the command running out of memory.

User Response: Look at the previous messages to diagnose the problem. Rectify the problem and retry the operation.

AMQ7084 Object &3, type &4 damaged.

Explanation: The object &3, type &4 was damaged. The object must be deleted or, if the queue manager supports media recovery, recreated from its media image.

User Response: Delete the object or recreate it from its media image.

AMQ7085 Object &3, type &4 not found.

Explanation: Object &3, type &4 cannot be found.

User Response: None.

AMQ7086 Media image for object &3, type &4 recorded.

Explanation: The media image for object &3, type &4, defined in Queue Manager &5, has been recorded.

User Response: None.

AMQ7087 Object &3, type &4 is a temporary object

Explanation: Object &3, type &4 is a temporary object. Media recovery operations are not permitted on temporary objects.

User Response: None.

AMQ7088 Object &3, type &4 in use.

Explanation: Object &3, type &4 is in use. Either an application has it open or, if it is a local queue, there are uncommitted messages on it.

User Response: Ensure that the object is not opened by any applications, and that there are no uncommitted

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messages on the object, if it is a local queue. Then, retry the operation.

AMQ7089 Media recovery already in progress.

Explanation: Another media recovery operation is already in progress. Only one media recovery operation is permitted at a time.

User Response: Wait for the existing media recovery operation to complete and retry the operation.

AMQ7090 The queue manager CCSID is not valid.

Explanation: The CCSID to be used by the QMGR is not valid, because:

1. It is a DBCS CCSID.
2. The CCSID encoding is not ASCII or ASCII related. EBCDIC or UCS2 encodings are not valid on this machine.
3. The CCSID encoding is unknown.

User Response: Check the CCSID is valid for the machine on which you are working.

AMQ7091 You are performing authorization for the queue manager, but you specified an object name.

Explanation: Modification of authorizations for a queue manager can be performed only from that queue manager. You must not specify an object name.

User Response: Correct the command and submit it again.

AMQ7092 An object name is required but you did not specify one.

Explanation: The command needs the name of an object, but you did not specify one.

User Response: Correct the command and submit it again.

AMQ7093 An object type is required but you did not specify one.

Explanation: The command needs the type of the object, but you did not specify one.

User Response: Correct the command and submit it again.

AMQ7094 You specified an object type that is not valid, or more than one object type.

Explanation: Either the type of object you specified was not valid, or you specified multiple object types on a command which supports only one.

User Response: Correct the command and submit it again.

AMQ7095 An entity name is required but you did not specify one.

Explanation: The command needs one or more entity names, but you did not specify any. Entities can be principals or groups.

User Response: Correct the command and submit it again.

AMQ7096 An authorization specification is required but you did not provide one.

Explanation: The command sets the authorizations on WebSphere MQ objects. However you did not specify which authorizations are to be set.

User Response: Correct the command and submit it again.

AMQ7097 You gave an authorization specification that is not valid.

Explanation: The authorization specification you provided to the command contained one or more items that could not be interpreted.

User Response: Correct the command and submit it again.

AMQ7098 The command accepts only one entity name. You specified more than one.

Explanation: The command can accept only one principal or group name. You specified more than one.

User Response: Correct the command and submit it again.

AMQ7099 Entity &3 has the following authorizations for object &4:

Explanation: Informational message. The list of authorizations follows.

User Response: None.

AMQ7104 Resource manager &1 has prepared.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User Response: None.

AMQ7105 Resource manager &1 has committed.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User Response: None.

AMQ7106 Resource manager &1 has rolled back.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User Response: None.

AMQ7107 Resource manager &1 is &3.

Explanation: This message reports the identification number and name of a resource manager.

User Response: None.

AMQ7108 Any in-doubt transactions have been resolved.

Explanation: All, if there were any, of the internally coordinated transactions which were in-doubt, have now been resolved. This message reports successful completion of the RSVMQTRN command when the -a option is used.

User Response: None.

AMQ7109 A decision on behalf of the unavailable resource manager has been delivered.

Explanation: A decision for an internally coordinated transaction which was in-doubt, has now been delivered on behalf of the unavailable resource manager. This message reports successful completion of the RSVMQTRN command when the -r option is used.

User Response: None.

AMQ7110 Media image for the syncfile recorded.

Explanation: The media image for the syncfile has been recorded.

User Response: None.

AMQ7111 Resource manager &1 has participated.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User Response: None.

AMQ7112 Transaction number &1,&2 has encountered an error.

Explanation: This message is used to report the number of an in-doubt transaction which has encountered an error with one or more resource managers.

User Response: Refer to the queue manager error log for more information about which resource managers are in error. Ensure that the resource managers that were in error, are working correctly, restart the queue manager. If the problem persists, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7113 The Database Name argument, -rn, is missing from the command crtmqm

Explanation: The required flag, -rn, was omitted from the command crtmqm

User Response: Add the flag and associated database name and submit it again.

AMQ7114 The Database Password argument, -rp, is missing from the command crtmqm

Explanation: The required flag, -rp, was omitted from the command crtmqm

User Response: Add the flag and associated database password and submit it again.

AMQ7115 The Database Type argument, -rt, is missing from the command crtmqm

Explanation: The required flag, -rt, was omitted from the command crtmqm

User Response: Add the flag and associated database type and submit it again

AMQ7116 The Database Type argument, -rt, is greater than 8 characters long

Explanation: The argument supplied with the flag -rt, is greater than 8 characters long

User Response: Reduce the length of the database type argument and submit it again

AMQ7117 The MSD shared library failed to load.

Explanation: The MSD shared library was either not located or failed to load correctly.

User Response: Ensure that the database type is specified correctly when creating a queue manager since this is used to form the name of the shared library to be loaded. Further information on the failure may be found in the FFST logs. Also, ensure that ensure that the MSD shared library is installed correctly.

AMQ7120 The Trial Period license for this copy of WebSphere MQ has expired.

Explanation: This copy of WebSphere MQ was licensed to be used in trial mode for a limited period only. This period has expired.

User Response: Install a Production license for this copy of WebSphere MQ.

AMQ7121 The trial period for this copy of WebSphere MQ has now expired.

Explanation: This copy of WebSphere MQ was licensed for a limited period only. This period has now expired.

User Response: Install a Production license for this copy of WebSphere MQ.

AMQ7122 The Trial Period License Agreement was not accepted.

Explanation: When the Trial Period License Agreement is displayed, the user must accept it before this copy of WebSphere MQ can be used.

User Response: Submit the command again and accept the agreement.

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| **AMQ7123** **There is one day left in the trial period for this copy of WebSphere MQ.**
| **Explanation:** This copy of WebSphere MQ is licensed for a limited period only.
| **User Response:** None.

| **AMQ7124** **This is the final day of the trial period for this copy of WebSphere MQ.**
| **Explanation:** This copy of WebSphere MQ is licensed for a limited period only.
| **User Response:** Install a Production license for this copy of WebSphere MQ.

| **AMQ7125** **There are &1 days left in the trial period for this copy of WebSphere MQ.**
| **Explanation:** This copy of WebSphere MQ is licensed for a limited period only.
| **User Response:** None.

| **AMQ7126** **This copy of WebSphere MQ is now running in Production mode.**
| **Explanation:** A Production license has been installed for this copy of WebSphere MQ.
| **User Response:** None.

AMQ7127 **Press Enter when you have read the messages**
Explanation: One or more messages have been displayed. They will disappear when the user presses the Enter key.
User Response: Press the Enter key when the messages are no longer required.

| **AMQ7128** **No license installed for this copy of WebSphere MQ.**
| **Explanation:** No Production, Beta, or Trial Period license has been installed for this copy of WebSphere MQ.
| **User Response:** Use the SETMQPRD command to install the production license for this copy of WebSphere MQ or use the SETMQTRY command to install a Trial Period or Beta license which will allow this copy of WebSphere MQ to be used for a limited period.

| **AMQ7129** **The trial period for this copy of WebSphere MQ has already been started.**
| **Explanation:** This copy of WebSphere MQ is licensed for a limited period only and the trial period has been started previously.
| **User Response:** None.

| **AMQ7130** **This copy of WebSphere MQ is running in Production mode.**
| **Explanation:** A Production license has been installed for this copy of WebSphere MQ. A beta or trial period cannot be started.
| **User Response:** None.

AMQ7142 **Reply 'yes' to accept the Agreement. Reply 'no' if you do not agree to the terms of the Agreement. Reply 'no' and submit the command again, if you want to read the Agreement again.**

Explanation: The Trial Period License Agreement has been displayed to the user and the user should now accept or reject the Agreement.
User Response: Reply 'yes' or 'no' and press 'Enter'.

AMQ7143 **Press Enter to continue**
Explanation: Part of the Trial Period License Agreement has been displayed to the user. The user should press the Enter key to indicate that they are ready for the next part of the Agreement to be displayed.
User Response: Press the Enter key when ready for the next part of the Agreement to be displayed.

| **AMQ7153** **A license could not be installed for this copy of WebSphere MQ.**
| **Explanation:** A Production, Beta or Trial Period license could not be installed for this copy of WebSphere MQ. This is because the 'nodlock' file in the 'qmgrs/@SYSTEM' directory could not be created or updated.
| **User Response:** Check the ownership and permissions of the 'qmgrs/@SYSTEM' directory.

| **AMQ7154** **The Production license for this copy of WebSphere MQ has expired.**
| **Explanation:** The production license for this copy of WebSphere MQ has an expiry date. This date has been passed.
| **User Response:** Contact your IBM support center.

AMQ7155 **License file '&3' not found or not valid. See the 'Quick Beginnings' book.**
Explanation: The program requires that the file '&3' is present, available and is a valid license file. See the 'Quick Beginnings' book for this platform.
User Response: If the SETMQPRD command was issued, check that the name is specified correctly. If the SETMQTRY command was issued, check that the specified file exists.

-
- AMQ7156** This copy of WebSphere MQ is already running in Production mode.
Explanation: A Production license has previously been installed for this copy of WebSphere MQ.
User Response: None.
-
- AMQ7157** The Production license is not valid for this copy of WebSphere MQ.
Explanation: The license '&3' has been installed but it is not a valid production license for this copy of WebSphere MQ.
User Response: Submit the SETMQPRD command again specifying the name of a valid production license.
-
- AMQ7158** The Trial Period license is not valid for this copy of WebSphere MQ.
Explanation: The license '&3' has been installed but it is not a valid trial period license for this copy of WebSphere MQ.
User Response: Check that the correct version of the file is available.
-
- AMQ7159** A FASTPATH application has ended unexpectedly.
Explanation: A FASTPATH application has ended in a way which did not allow the queue manager to clean up the resources owned by that application. Any resources held by the application can only be released by stopping and restarting the queue manager.
User Response: Investigate why the application ended unexpectedly. Avoid ending FASTPATH applications in a way which prevents WebSphere MQ from releasing resources held by the application.
-
- AMQ7162** The setmqaut command completed successfully.
Explanation:
User Response:
-
- AMQ7196** By installing this product, you accept the terms of the International Program License Agreement and the License Information supplied with the product.
Explanation:
User Response: None.
-
- AMQ7197** A production or trial license could not be installed for this copy of WebSphere MQ.
Explanation: This copy of WebSphere MQ is a beta version and cannot be used with a production or trial license.
User Response: Uninstall the beta version of WebSphere MQ and install the production or trial version.
-
- AMQ7198** Insufficient license units.
Explanation: The purchased processor allowance (&1) is less than the number of processors (&2) in this machine.
User Response: Ensure sufficient license units have been purchased and use the WebSphere MQ setmqcap command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings book for more information.
-
- AMQ7199** The purchased processor allowance is set to &1.
Explanation: The purchased processor allowance for this installation has been set to &1 using the WebSphere MQ setmqcap command.
User Response: None.
-
- AMQ7200** The purchased processor allowance is &1
Explanation: The purchased processor allowance is currently set to &1
User Response: Ensure sufficient license units have been purchased and, if necessary, use the WebSphere MQ setmqcap command to change the purchased processor allowance for this installation. Refer to the Quick Beginnings book for more information.
-
- AMQ7201** The number of processors in this machine is &1
Explanation: The operating system reports that the number of processors in this machine is &1
User Response: None.
-
- AMQ7202** The number of license units is sufficient for all future possible upgrades to this machine.
Explanation: The purchased processor allowance for this installation has been set to -1, which allows any permitted processor configuration.
User Response: None.
-
- AMQ7203** Purchased processor allowance not set (use setmqcap).
Explanation: The purchased processor allowance for this installation has not been set.
User Response: Ensure sufficient license units have been purchased and use the WebSphere MQ setmqcap command to set the purchased processor allowance for this installation. Refer to the Quick Beginnings book for more information.
-
- AMQ7206** Group name has been truncated.
Explanation: WebSphere MQ only supports group names up to 12 characters long. The operating system is attempting to return a group longer than this.
User Response: Reduce the group name to 12 characters or less.

AMQ7207 User ID longer than 12 characters.
Explanation: WebSphere MQ only supports user names up to 12 characters long. This operation is being attempted from a user name longer than this.
User Response: Reduce the user name to 12 characters or less.

AMQ7208 The queue manager failed to pass a PCF message to another queue manager.

Explanation: The queue manager attempted to put a PCF message to &3 to start the channel &4 to cluster queue manager &5. The put failed with reason &1. When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to &3.

User Response: Resolve the problem with &3 and if necessary start the channel manually.

AMQ7209 The queue manager attempted to open SYSTEM.CHANNEL.INITQ which failed with reason &3

Explanation: When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to the SYSTEM.CHANNEL.INITQ

User Response: Resolve the problem with the SYSTEM.CHANNEL.INITQ and if necessary start the channels manually.

AMQ7210 The Cluster Workload exit module could not be loaded.

Explanation: The Cluster Workload exit module '&3' could not be loaded for reason &4.

User Response: Correct the problem with the Cluster Workload exit module '&3'

AMQ7211 The Queue Manager is still waiting for a reply from the Cluster Workload Exit server process.

Explanation: The Queue Manager is configured to run the Cluster Workload Exit in SAFE mode. This means that the Cluster Workload Exit is run by a server process (amqzlw0). The Queue Manager has been waiting &1 seconds for this server process to reply to a request to run the Cluster Workload Exit. It is possible that the exit is hung or is looping.

User Response: End the Queue Manager, resolve the problem with the Cluster Workload Exit and restart the Queue Manager

AMQ7212 The address of the Cluster exit function could not be found.

Explanation: The address of the Cluster exit function '&4' could not be found in module '&3' for reason &1 &5.

User Response: Correct the problem with the Cluster exit function '&4' in the module '&3'

AMQ7214 The module for API Exit '&3' could not be loaded.

Explanation: The module '&4' for API Exit '&3' could not be loaded for reason &5.

User Response: Correct the problem with the API Exit module '&3'.

AMQ7215 The API Exit '&3' function '&4' could not be found in the module '&5'.

Explanation: The API Exit '&3' function '&4' could not be found in the module '&5'. The internal return code was &1.

User Response: Correct the problem with the API Exit '&3'.

AMQ7216 An API Exit initialization function returned an error.

Explanation: The API Exit '&3' function '&4' in the module '&5' returned CompCode &1 and ReasonCode &2.

User Response: Correct the problem with the API Exit '&3'

AMQ7217 The response set by the exit is not valid.

Explanation: The API Exit '&3' module '&4' function '&5' returned a response code '&1' that is not valid in the ExitResponse field of the API Exit parameters (MQAXP).

User Response: Investigate why the API Exit '&3' set a response code that is not valid.

AMQ7225 No matching authority records.

Explanation: No authority records match the specified parameters.

User Response:

AMQ7226 The profile name is invalid.

Explanation: The profile name contains invalid characters, contains an invalid wildcard specification, or is of invalid length.

User Response: Correct the profile name and submit it again.

AMQ7227 WebSphere MQ encountered the following network error: &3

Explanation: WebSphere MQ failed to successfully complete a network operation due to the specified error.

User Response: Ensure that your network is functioning correctly.

AMQ7305 **Trigger message could not be put on an initiation queue.**

Explanation: The attempt to put a trigger message on queue &4 on queue manager &5 failed with reason code &1. The message will be put on the dead-letter queue.

User Response: Ensure that the initiation queue is available, and operational.

AMQ7306 **The dead-letter queue must be a local queue.**

Explanation: An undelivered message has not been put on the dead-letter queue &4 on queue manager &5, because the queue is not a local queue. The message will be discarded.

User Response: Inform your system administrator.

AMQ7307 **A message could not be put on the dead-letter queue.**

Explanation: The attempt to put a message on the dead-letter queue &4 on queue manager &5 failed with reason code &1. The message will be discarded.

User Response: Ensure that the dead-letter queue is available and operational.

AMQ7308 **Trigger condition &1 was not satisfied.**

Explanation: At least one of the conditions required for generating a trigger message was not satisfied, so a trigger message was not generated. If you were expecting a trigger message, consult the WebSphere MQ Application Programming Guide for a list of the conditions required. (Note that arranging for condition &1 to be satisfied might not be sufficient because the conditions are checked in an arbitrary order, and checking stops when the first unsatisfied condition is discovered.)

User Response: If a trigger message is required, ensure that all the conditions for generating one are satisfied.

AMQ7310 **Report message could not be put on a reply-to queue.**

Explanation: The attempt to put a report message on queue &4 on queue manager &5 failed with reason code &1. The message will be put on the dead-letter queue.

User Response: Ensure that the reply-to queue is available and operational.

AMQ7463 **The log for queue manager &3 is full.**

Explanation: This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

User Response: This situation may be encountered

during a period of unusually high message traffic. However, if you persistently fill the log, you may have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager.

Alternatively, if you need to make the log files themselves bigger, you will have to delete and recreate the queue manager.

AMQ7464 **The log for queue manager &3 is no longer full.**

Explanation: This message is issued when a log was previously full, but an attempt to write a log record has now been accepted. The log full situation has been resolved.

User Response: None

AMQ7465 **The log for queue manager &3 is full.**

Explanation: An attempt to resolve a log full situation has failed. This is due to the presence of a long-running transaction.

User Response: Try to ensure that the duration of your transactions is not excessive. Commit or roll back any old transactions to release log space for further log records.

AMQ7466 **There is a problem with the size of the log file.**

Explanation: The log for queue manager &3 is too small to support the current data rate. This message is issued when the monitoring tasks maintaining the log cannot keep up with the current rate of data being written.

User Response: The number of primary log files configured should be increased to prevent possible log full situations.

AMQ7467 **The oldest log file required to start queue manager &3 is &4.**

Explanation: The log file &4 contains the oldest log record required to restart the queue manager. Log records older than this may be required for media recovery.

User Response: You can move log files older than &4 to an archive medium to release space in the log directory. If you move any of the log files required to recreate objects from their media images, you will have to restore them to recreate the objects.

AMQ7468 **The oldest log file required to perform media recovery of queue manager &3 is &4.**

Explanation: The log file &4 contains the oldest log record required to recreate any of the objects from their media images. Any log files prior to this will not be accessed by media recovery operations.

User Response: You can move log files older than &4

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to an archive medium to release space in the log directory.

AMQ7469 Transactions rolled back to release log space.

Explanation: The log space for the queue manager is becoming full. One or more long-running transactions have been rolled back to release log space so that the queue manager can continue to process requests.

User Response: Try to ensure that the duration of your transactions is not excessive. Consider increasing the size of the log to allow transactions to last longer before the log starts to become full.

AMQ7472 Object &3, type &4 damaged.

Explanation: Object &3, type &4 has been marked as damaged. This indicates that the queue manager was either unable to access the object in the file system, or that some kind of inconsistency with the data in the object was detected.

User Response: If a damaged object is detected, the action performed depends on whether the queue manager supports media recovery and when the damage was detected. If the queue manager does not support media recovery, you must delete the object as no recovery is possible. If the queue manager does support media recovery and the damage is detected during the processing performed when the queue manager is being started, the queue manager will automatically initiate media recovery of the object. If the queue manager supports media recovery and the damage is detected once the queue manager has started, it may be recovered from a media image using the rcrmobj command or it may be deleted.

AMQ7601 Duplicate XA resource manager is not valid.

Explanation: Line &1 of the configuration file &3 contained a duplicate XA resource manager '&5'. This is not valid for attribute &4. Each XA resource manager must be given a unique name.

User Response: Check the contents of the file and retry the operation.

AMQ7601 Duplicate XA resource manager '&5' not valid for attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained a duplicate XA resource manager '&5'. This is not valid for attribute &4. Each XA resource manager must be given a unique name.

User Response: Check the contents of the configuration data and retry the operation.

AMQ7603 WebSphere MQ has been configured with invalid resource manager '&3'.

Explanation: The XA switch file &4 for resource manager &3 indicates that an attempt has been made to configure another queue manager as an external resource manager. This is not allowed so the queue manager will terminate.

User Response: Remove the offending XAResourceManager stanza from the qm.ini configuration file and restart the queue manager.

AMQ7603 WebSphere MQ has been configured with resource manager '&3' that is not valid.

Explanation: The XA switch file &4 for resource manager &3 indicates that an attempt has been made to configure another queue manager as an external resource manager. This is not allowed, so the queue manager will terminate.

User Response: Remove the offending XAResourceManager stanza from the configuration data and restart the queue manager.

AMQ7604 The XA resource manager '&3' was not available when called for &4. The queue manager is continuing without this resource manager.

Explanation: The XA resource manager '&3' has indicated that it is not available, by returning XAER_RMERR on an xa_open request or XAER_RMFAIL when called for something else. Normally this indicates that the resource manager has been shut down. In this case the resource manager cannot participate in any new transactions. Any in-flight transactions in which it was involved will be backed out, and any transactions in which it is in-doubt will only be resolved when contact with the resource manager is reestablished. A further message will be issued when the queue manager has been able to do this. If the problem occurred on an xa_open request, and the resource manager should be available, then there may be a configuration problem.

User Response: Try to establish the reason why the resource manager is unavailable. It may be that an invalid XAOpenString has been defined for the resource manager in the 'qm.ini' configuration file. If this is the case, stop and then restart the queue manager so that any change will be picked up. Alternatively, the queue manager may be reaching a resource constraint with this resource manager. For example, the resource manager may not be able to accommodate all of the queue manager processes being connected at one time, you may need to alter one of its tuning parameters.

AMQ7605 The XA resource manager &3 has returned an unexpected return code &1, when called for &4.

Explanation: WebSphere MQ received an unexpected return code when calling XA resource manager &3 at its &4 entry point. This indicates an internal error, either within MQ or the resource manager.

User Response: Try to determine the source of the error. A trace of the failure could be used to look at the XA flows between MQ and the resource manager. MQ has allocated an RMIId of &2 to this resource manager. This will be useful when isolating the flows associated with the resource manager concerned. If the error occurs on an xa_commit or xa_rollback request, the queue manager will not attempt to redeliver the commit or rollback instruction for this transaction, until after the queue manager has been restarted. The transaction in doubt is identified by the following XID of X'&5'. If you think that the error lies within the queue manager, contact your IBM support center. Do not discard any information describing the problem until after the problem has been resolved.

AMQ7606 A transaction has been committed but one or more resource managers have backed out.

Explanation: WebSphere MQ was processing the commit operation for a transaction involving external resource managers. One or more of these resource managers failed to obey the commit request and instead rolled back their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers may now be out of synchronization. MQ will issue further messages to indicate which resource managers failed to commit their updates.

User Response: The transaction with the mixed outcome is identified by the following XID of X'&3'. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be displayed by the dspmqtrn command and all other transaction participants will have committed their updates. If the transaction is displayed by the dspmqtrn command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7607 A transaction has been rolled back but one or more resource managers have committed.

Explanation: WebSphere MQ was rolling back a transaction involving external resource managers. One or more of these resource managers failed to obey the rollback request and instead committed their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers may now be out of synchronization. MQ will issue further

messages to indicate which resource managers failed to roll back their updates.

User Response: The transaction with the mixed outcome is identified by the following XID of X'&3'. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be displayed by the dspmqtrn command and all other transaction participants will have rolled back their updates. If the transaction is displayed by the dspmqtrn command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7608 XA resource manager returned a heuristic return code.

Explanation: This message is associated with an earlier AMQ7606 message reporting a mixed transaction outcome. It identifies one of the resource managers ('&4') that failed to commit its updates. The transaction associated with this failure is identified by the following XID of X'&3'.

User Response: Use the return code &1 returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the commit decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7609 XA resource manager returned a heuristic return code.

Explanation: This message is associated with an earlier AMQ7607 message reporting a mixed transaction outcome. It identifies one of the resource managers ('&4') that failed to rollback its updates. The transaction associated with this failure is identified by the following XID of X'&3'.

User Response: Use the return code &1 returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the rollback decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7612 Switch call exception

Explanation: Exception number &1 occurred when calling resource manager switch &3.

User Response: Check the resource manager switch has not been corrupted.

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AMQ7622 **WebSphere MQ could not load the XA switch load file for resource manager '&3'.**

Explanation: An error has occurred loading XA switch file &4. If the error occurred during startup then the queue manager will terminate. At all other times the queue manager will continue without this resource manager meaning that it will no longer be able to participate in global transactions. The queue manager will also retry the load of the switch file at regular intervals so that the resource manager will be able to participate again should the load problem be resolved.

User Response: Look for a previous message outlining the reason for the load failure. Message AMQ6175 is issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the name of the switch load file is correct and that it is present in a directory from which it can be dynamically loaded by the queue manager. The easiest method of doing this is to define the switch load file as a fully-qualified name. Note that if the queue manager is still running it will need to be restarted in order that any changes made to its configuration data can be picked up.

AMQ7623 **WebSphere MQ has not been configured with XA resource manager '&3' which may be involved in in-doubt transactions. The queue manager is continuing without this resource manager.**

Explanation: The queue manager has recognized that XA resource manager '&3' was removed from the registry entry of the queue manager. However, it was logged as being involved in &1 transactions that are still in-doubt. The queue manager cannot resolve these transactions.

User Response: Check that the configuration data entry of the queue manager concerned has not been altered by mistake, resulting in an 'XAResourceManager' stanza being removed, or the 'Name' of any the resource managers being changed.

If the configuration data entry was changed by mistake, you need to reinstate resource manager '&3' in the configuration data before stopping, and then restarting the queue manager to access the change.

If you have intentionally removed a resource manager from the configuration data, consider the integrity implications of your action because the resource manager concerned may be in an in-doubt state.

If you are sure that this is not the case, you can use the 'rsvmqtrn' command to instruct the resource manager to inform the queue manager that it can forget about the transactions concerned.

If using the 'rsvmqtrn' command could result in an integrity problem, you should consider reinstating the

resource manager in the configuration data, so that the queue manager can contact the resource manager and automatically resolve the transactions concerned next time the queue manager is restarted.

AMQ7623 **WebSphere MQ has not been configured with XA resource manager.**

Explanation: The queue manager has noticed that XA resource manager '&3' was removed from the qm.ini file of the queue manager. However, it was logged as being involved in &1 transactions that are still in-doubt. The queue manager cannot resolve these transactions. The queue manager is continuing without this resource manager.

User Response: First check that the qm.ini configuration file of the queue manager concerned hasn't been mistakenly altered resulting in an 'XAResourceManager' stanza being removed, or the 'Name' of any the resource managers being changed. If the qm.ini file was changed by mistake then you will need to reinstate resource manager '&3' in the qm.ini file before stopping and then restarting the queue manager in order that the change will be picked up. If you have intentionally removed a resource manager from the qm.ini file, consider the integrity implications of your action since the resource manager concerned may be in an in-doubt state. If you are sure that is not the case then you can use the 'rsvmqtrn' command to deliver an outcome on behalf of the resource manager in order that the queue manager can forget about the transactions concerned. If you cannot be sure that such an action will not cause an integrity problem then you should consider reinstating the resource manager in the qm.ini file so that the queue manager can contact the resource manager and automatically resolve the transactions concerned next time the queue manager is restarted.

AMQ7624 **An exception occurred during an &4 call to XA resource manager '&3'.**

Explanation: An exception has been detected during a call to an XA resource manager. The queue manager will continue after assuming a return code of XAER_RMERR from the call.

User Response: An FFST should have been produced which documents the exception. Use this and any further FFSTs to try and determine the reason for the failure. A trace of the problem will be useful to identify the XA flows between the queue manager and the resource manager concerned. MQ has allocated an RMIId of &1 to this resource manager. Use this to isolate the flows concerned. First contact the supplier of the resource manager for problem resolution. If however you think that the problem lies within the queue manager then contact your IBM support center. Do not discard any information describing the problem until after it has been resolved.

AMQ7625 The XA resource manager '&3' has become available again.

Explanation: WebSphere MQ has managed to regain contact with a resource manager that had become unavailable. Any in-doubt transactions involving this resource manager will be resolved. The resource manager will now be able to participate in new transactions.

User Response: None.

AMQ7626 XA resource manager initialization failure. Refer to the error log for more information.

Explanation: The queue manager has failed to initialize one or more of the XA resource managers defined in the qm.ini configuration file.

User Response: Correct the error and restart the queue manager.

AMQ7626 XA resource manager initialization failure. Refer to the error log for more information.

Explanation: The queue manager has failed to initialize one or more of the XA resource managers defined in the configuration data.

User Response: Correct the error and restart the queue manager.

AMQ7701 DMPMQLOG command is starting.

Explanation: You have started the DMPMQLOG command and it is processing your request.

User Response: None.

AMQ7702 DMPMQLOG command has finished successfully.

Explanation: The DMPMQLOG command has finished processing your request and no errors were detected.

User Response: None.

AMQ7703 DMPMQLOG command has used option '&3' with an invalid value '&4'.

Explanation: You started the DMPMQLOG command specifying an invalid option value. The '&4' value for option '&3' is either missing or of an incorrect format.

User Response: Refer to the command syntax, and then try the command again.

AMQ7704 DMPMQLOG command has used an invalid option '&3'.

Explanation: You started the DMPMQLOG command specifying an invalid option of '&3'.

User Response: Refer to the command syntax and then try the command again.

AMQ7706 DMPMQLOG command has used an incorrect queue manager name or path.

Explanation: The DMPMQLOG command has used '&3' as the queue manager name and, if shown, '&4' as the directory path for '&3'. Either '&3' and/or '&4' is incorrect; if '&4' is not shown then it is '&3' which is incorrect.

Possible reasons for the error include:

- that '&3' is not an existing queue manager name
- the entries for '&3' in the MQ system initialization (INI) file are incorrect
- '&4' is not a correct path for '&3'

If you started the command specifying option -m (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

User Response: Check that '&3' is an existing queue manager name. Check your MQ system's initialization (INI) file to ensure that '&3' and its associated entries are correct. If '&4' is shown, check that it is a correct MQ system directory path for '&3'.

AMQ7706 DMPMQLOG command has used an incorrect queue manager name '&3' or path '&4'.

Explanation: The DMPMQLOG command has used '&3' as the queue manager name and, if shown, '&4' as the directory path for '&3'. Either '&3' and/or '&4' is incorrect; if '&4' is not shown then it is '&3' which is incorrect.

Possible reasons for the error include:

- that '&3' is not an existing queue manager name
- the entries for '&3' in the MQ configuration data are incorrect
- '&4' is not a correct path for '&3'.

If you started the command specifying option -m (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

User Response: Check that '&3' is an existing queue manager name. Check your MQ configuration data to ensure that '&3' and its associated entries are correct. If '&4' is shown, check that it is a correct MQ system directory path for '&3'.

AMQ7707 DMPMQLOG command has failed: CompCode = 0x&1.

Explanation: The DMPMQLOG command has detected an error and the MQ recording routine has been called. Possible reasons for this include a damaged log file, a problem during initialization for the queue manager or an internal MQ failure.

User Response: Check that the queue manager being

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used by DMPMQLOG, as specified by you using the -m command option or defaulted, exists and is not currently running. If it does not exist, try the command again specifying an existing queue manager. If it is running, stop the queue manager and then try the command again. Otherwise, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Note the completion code (CompCode) and then contact your IBM support center.

AMQ7708 DMPMQLOG command has used an invalid default queue manager name.

Explanation: You started the DMPMQLOG command without specifying option -m (queue manager name option) and so your MQ default queue manager name has been used. However, this default name either could not be found or is invalid.

User Response: Check that the default queue manager name exists and is valid, and then try the command again.

AMQ7709 DMPMQLOG command has used an invalid combination of options.

Explanation: You started the DMPMQLOG command specifying an invalid combination of the options -b (base LSN option), -s (start LSN option) and -n (extent number option). Only 1 or none of these options may be specified.

User Response: Refer to the command syntax and then try the command again.

AMQ7710 DMPMQLOG command has used option -n which is invalid for circular logging.

Explanation: You started the DMPMQLOG command specifying option -n (extent number option) but this is not valid when your MQ log is defined as circular.

User Response: Use a different option and then try the command again.

AMQ7711 DMPMQLOG command has used option -m with a value that is too long.

Explanation: You started the DMPMQLOG command specifying option -m (queue manager name option) with a value that is more than &1 characters.

User Response: Specify a shorter queue manager name and then try the command again.

AMQ7712 DMPMQLOG command has used option -f with a value which is too long.

Explanation: You started the DMPMQLOG command specifying option -f (log file path option) with a value which is more than &1 characters.

User Response: Specify a shorter log file path name and then try the command again.

AMQ7713 DMPMQLOG command was unable to allocate sufficient storage.

Explanation: The DMPMQLOG command has been unable to allocate some storage.

User Response: Free some storage and then try the command again.

AMQ7714 DMPMQLOG command has reached the end of the log.

Explanation: The DMPMQLOG command has processed any log data and has now reached the end of the log.

User Response: None.

AMQ7715 DMPMQLOG command cannot open file '&3'.

Explanation: The DMPMQLOG command was unable to open file '&3' for reading.

User Response: Check that the file exists, can be opened for reading, and that you have authority to access it, and then try the command again.

AMQ7716 DMPMQLOG command has finished unsuccessfully.

Explanation: The DMPMQLOG command has finished with your request but an error has been detected. The previous message issued by the command can be used to identify the error.

User Response: Refer to the previous message issued by the command.

AMQ7717 DMPMQLOG command has failed to initialize: CompCode = 0x&1.

Explanation: The DMPMQLOG command has failed during its initialization and the MQ recording routine has been called. Possible reasons for this include that your queue manager is already running. The completion code can be used to identify the error.

User Response: Check that the queue manager being used by DMPMQLOG, as specified by you using the -m command option or defaulted, exists and is not currently running. If it is running, stop the queue manager and then try the command again. Otherwise, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7718 DMPMQLOG command is using the default queue manager name.

Explanation: You have started the DMPMQLOG command without specifying option -m (queue manager name option) and so a default value of '&3' is being used. This value is obtained from your MQ default queue manager name.

User Response: None.

AMQ7719 DMPMQLOG command is using the default starting dump location.
Explanation: You have started the DMPMQLOG command without specifying option -b (base LSN option), option -s (start LSN option) or option -n (extent number option), and so a default value of '&3' is being used. This value is the Log Sequence Number (LSN) of the first record in the active part of the log, and will be used as the location from which to start dumping.
User Response: None.

AMQ7720 DMPMQLOG command is using extent '&1' but the current extent is '&2'.
Explanation: You have started the DMPMQLOG command specifying option -n (extent number option) with a value of '&1' but this value is greater than '&2', which represents the extent currently being used.
User Response: When using option -n, specify its value as being less than or equal to the extent number currently being used.

AMQ7721 DMPMQLOG command has not found any log records in extent number '&1'.
Explanation: During its normal processing, the DMPMQLOG command did not find any log records in this extent.
User Response: None.

AMQ7722 DMPMQLOG command cannot find the object catalogue for the queue manager.
Explanation: The DMPMQLOG command is using the queue manager named '&3' but cannot find the manager's object catalogue file. This file should have been created at the time the queue manager was created.
User Response: Refer to the "System Management Guide" for a description of the location and name of the object catalogue file. Check that the file exists and is available for use by this command. If it does not exist then you will need to re-create the queue manager.

AMQ7723 DMPMQLOG command cannot find the requested Log Sequence Number (LSN).
Explanation: The DMPMQLOG command has been started with an LSN but it cannot be found in the log.
User Response: Check for an existing LSN and then try the command again.

AMQ7724 DMPMQLOG command cannot use the requested extent number.
Explanation: The DMPMQLOG command has been started with an extent number but it is beyond the end of the log.
User Response: Check for an existing extent number and then try the command again.

AMQ7725 DMPMQLOG command cannot find an old Log Sequence Number (LSN).
Explanation: The DMPMQLOG command has been started specifying an LSN which is older than the log's base LSN. However, the specified LSN could not be found.
User Response: Check for an existing LSN and then try the command again.

AMQ7726 DMPMQLOG command has used option -s with an incorrect value for circular logging.
Explanation: You started the DMPMQLOG command specifying option -s (start LSN option) with a value which is less than the base LSN of a log which is defined as circular. LSN values less than the base LSN can only be specified when using a linear log.
User Response: When using option -s with a circular log, specify an option value which is equal or greater to the log's base LSN, and then try the command again.

AMQ7751 MIGRATEMQM program is starting.
Explanation: You have started the MIGRATEMQM program.
User Response: None.

AMQ7752 MIGRATEMQM has completed successfully.
Explanation: The MIGRATEMQM program has completed migration of your queue manager and no errors were detected.
User Response: None.

AMQ7753 MIGRATEMQM has failed due to errors.
Explanation: See the previously listed messages in the job log. Correct the errors and then restart the MIGRATEMQM program.
User Response: None.

AMQ7754 MIGRATEMQM has detected an error and is unable to continue.
Explanation: See the previously listed messages in this job log, or in associated job logs. Correct the errors and then restart the MIGRATEMQM program.
User Response: None.

AMQ7755 Unable to locate a required journal receiver.
Explanation: The MIGRATEMQM program attempted to locate the journal receivers to use for migration, but the operation required access to a journal or journal receiver that is not currently present on the system.
User Response: Restore the required journal or journal receiver from backup. Then restart the MIGRATEMQM program.

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AMQ7756 Unable to locate a required journal entry.
Explanation: The MIGRATEMQM program was unable to retrieve a journal entry required for migration. The operation may have failed because a required journal receiver is not currently present on the system.
User Response: Restore the required journal receiver from backup. Then restart the MIGRATEMQM program.

AMQ7757 Queue manager '&3' already exists.
Explanation: The MIGRATEMQM program is unable to create a queue manager with the same name as used in the previous release because a queue manager of this name has already been created.
User Response: Delete the queue manager. Then restart the MIGRATEMQM program.

AMQ7758 Queue manager starting.
Explanation: The queue manager "&3" is starting.
User Response: None.

AMQ7759 Recreating WebSphere MQ objects.
Explanation: WebSphere MQ objects are being recreated from their media images contained in the log.
User Response: None.

AMQ7760 Recreating WebSphere MQ channels.
Explanation: WebSphere MQ channels are being recreated from the previous channel definition file.
User Response: None.

AMQ7761 Unexpected return code from command '&3'.
Explanation: An unexpected return code, '&1', was returned by command '&3'.
User Response: See the previously listed messages in this job log, or in associated job logs.

AMQ7762 Unexpected error from channel migration.
Explanation: The migration of channel definitions or channel synchronization data encountered an unexpected error.
User Response: See the previously listed messages in this job log, or in associated job logs.

AMQ7901 The data-conversion exit &3 has not loaded.
Explanation: The data-conversion exit program, &3, failed to load. The internal function gave exception &4.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7903 The data-conversion exit &3 cannot be found.
Explanation: Message data conversion has been requested for a WebSphere MQ message with a user-defined format, but the necessary data-conversion exit program, &3, cannot be found. The internal function gave exception &4.
User Response: Check that the necessary data-conversion exit &3 exists.

AMQ7904 The data-conversion exit &3 cannot be found, or loaded.
Explanation: Message data conversion was requested for a WebSphere MQ message with a user-defined format, but the necessary data conversion exit program, &3, was not found, or loaded. The &4 function call gave a return code of &1.
User Response: Check that the necessary data conversion exit routine exists in one of the standard directories for dynamically loaded modules. If necessary, inspect the generated output to examine the message descriptor (MQMD structure) of the MQ message for the conversion which was requested. This may help you to determine where the message originated.

AMQ7905 Unexpected exception &4 in data-conversion exit.
Explanation: The data-conversion exit program, &3, ended with an unexpected exception &4. The message has not been converted.
User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7907 Unexpected exception in data-conversion exit.
Explanation: The data-conversion exit routine, &3, ended with an unexpected exception. The message has not been converted.
User Response: Correct the error in the data-conversion exit routine.

AMQ7908 Display active directory CRL server details.
Explanation: Display active directory CRL server details.
User Response: None.

AMQ7909 There are no active directory CRL server details to display.
Explanation: No active directory CRL server definitions could be found.
User Response: None.

AMQ7911 The default Active Directory could not be located on your domain.

Explanation: No domain controllers with Active Directories could be found on the domain that your computer is a member of.

User Response: Active Directory support for MQ client connections cannot be used without a default Active Directory available on your domain.

AMQ7912 The Active Directory support library failed to initialize.

Explanation: WebSphere MQ support libraries for Active Directory client connections could not be initialized.

User Response: Check that the Active Directory client prerequisite software has been installed on your machine before attempting to use this feature.

AMQ7913 The WebSphere MQ Active Directory container could not be created.

Explanation: WebSphere MQ has failed to create an IBM-MQClientConnections container as a child of your domain's system container in the Active Directory.

User Response: Ensure that you have permission to create sub-containers of the system container, and modify the otherWellKnownObjects property of the system container.

AMQ7914 Migration of the client connection table for Queue Manager &3 failed with reason code &1.

Explanation: The client connection table for this Queue Manager could not be migrated at this time.

User Response: Ensure that the client connection table exists and is not corrupted, and that you have authority to create new objects in the Active Directory on your domain.

AMQ7915 Created service connection point for connection &3.

Explanation: The service connection point was successfully created for this client connection.

User Response: None.

AMQ7916 The Active Directory channel definition table could not be opened.

Explanation: The IBM-MQClientConnections Active Directory container could not be located in the Global Catalog.

User Response: Ensure that setmqscp has been used to create the container object and that you have permission to read the container and its child objects.

AMQ7917 Display active directory channel details.

Explanation: Display active directory channel details.

User Response: None.

AMQ7918 The WebSphere MQ Active Directory container could not be deleted.

Explanation: There was a problem when attempting to delete the MQ Active Directory container. The container must be empty before it can be deleted from the directory.

User Response: None.

AMQ7919 There are no active directory client channel details to display.

Explanation: No active directory client channel definitions could be found.

User Response: None.

AMQ7921 An incorrect eye-catcher field in an MQDXP structure has been detected.

Explanation: The MQDXP structure passed to the Internal Formats Conversion routine contains an incorrect eye-catcher field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7922 A PCF message is incomplete.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the message is only &1 bytes long and does not contain a PCF header. The message has either been truncated, or it contains data that is not valid.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7923 A message had an unrecognized integer encoding - &1.

Explanation: Message data conversion cannot convert a message because the integer encoding value of the message, &1, was not recognized.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

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AMQ7924 Bad length in the PCF header (length = &1).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the PCF header structure contains an incorrect length field. Either the message has been truncated, or it contains data that is not valid.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7925 Message version &1 is not supported.

Explanation: Message data conversion cannot convert a message because the Version field of the message contains an incorrect value.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7926 A PCF message has an incorrect parameter count value &1.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the parameter count field of the PCF header is incorrect.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7927 Bad type in PCF structure number &1 (type = &2).

Explanation: A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contained an incorrect type field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7928 Bad length in PCF structure number &1 (length = &2).

Explanation: A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contained an incorrect length field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7929 A PCF structure is incomplete.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number &1, of Type value &2, within the message is incomplete. The message has either been truncated, or it contains data that is not valid.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7930 Bad CCSID in PCF structure number &1 (CCSID = &2).

Explanation: A Programmable Command Format (PCF) structure passed to the Internal Formats Converter contains an incorrect CCSID.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7931 Bad length in PCF structure number &1 (length = &2).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because one of the structures of the message contains an incorrect length field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7932 Bad count in PCF structure number &1 (count = &2).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because a StringList structure of the message contains an incorrect count field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message, and to see how data that is not valid became included in the message.

AMQ7933 Bad string length in PCF structure.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number &1 of the message contains an incorrect string length value &2.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7934 Wrong combination of MQCCSI_DEFAULT with MQCCSI_EMBEDDED.

Explanation: Message data conversion could not convert a message in Programmable Command Format (PCF) because structure &1 of the message contained a CodedCharSetId field of MQCCSI_DEFAULT while the message itself had a CodedCharSetId of MQCCSI_EMBEDDED. This is an incorrect combination.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message and the incorrect structure to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7935 Bad CCSID in message header (CCSID = &1).

Explanation: Message data conversion could not convert a message because the Message Descriptor of the message contained an incorrect CodedCharSetId field.

User Response: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to

determine the source of the message and to see how data that is not valid became included in the message.

AMQ7936 The file &3 already exists.

Explanation: The output file already exists, but REPLACE has not been specified.

User Response: Specify REPLACE to overwrite the existing file, or select a different output file name.

AMQ7937 Structure length &1 in MQFMT_IMS_VAR_STRING format message is not valid.

Explanation: This error is detected when attempting data conversion. The valid range for the length is 4 (with no string data) to 32767. The message is returned unconverted with a reason code of MQRC_CONVERTED_STRING_TOO_BIG.

User Response: Check the content of the message before data conversion and correct the message format. When converting data using two or more bytes per character, remember that the number of bytes in each character can change during data conversion. This causes the message lengths to change.

AMQ7953 One structure has been parsed.

Explanation: The crtmqcvx command has parsed one structure.

User Response: None.

AMQ7954 &1 structures have been parsed.

Explanation: The crtmqcvx command has parsed &1 structures.

User Response: None.

AMQ7955 Unexpected field: &1.

Explanation: The field within the structure is of a type that is not recognized.

User Response: Correct the field and retry the command.

AMQ7956 Bad array dimension.

Explanation: An array field of the structure has an incorrect dimension value.

User Response: Correct the field and retry the command.

AMQ7957 Warning at line &1.

Explanation: The structure contains another field after a variable length field. A variable length field must be the last field of the structure.

User Response: Correct the structure and retry the command.

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| **AMQ7958** **Error at line &1 in field &3.**
| **Explanation:** Field name '&3' is a field of type 'float'.
| Fields of type float are not supported by this command.
| **User Response:** Either correct the structure to
| eliminate fields of type float, or write your own routine
| to support conversion of these fields.

| **AMQ7959** **Error at line &1 in field &3.**
| **Explanation:** Field name '&3' is a field of type
| 'double'. Fields of type double are not supported by
| this command.
| **User Response:** Either correct the structure to
| eliminate fields of type double, or write your own
| routine to support conversion of these fields.

| **AMQ7960** **Error at line &1 in field &3.**
| **Explanation:** Field name '&3' is a 'pointer' field. Fields
| of type pointer are not supported by this command.
| **User Response:** Either correct the structure to
| eliminate fields of type pointer, or write your own
| routine to support conversion of these fields.

| **AMQ7961** **Error at line &1 in field &3.**
| **Explanation:** Field name '&3' is a 'bit' field. Bit fields
| are not supported by this command.
| **User Response:** Either correct the structure to
| eliminate bit fields, or write your own routine to
| support conversion of these fields.

| **AMQ7962** **No input file specified.**
| **Explanation:** This command requires that an input file
| is specified.
| **User Response:** Specify the name of the input file and
| retry the command.

| **AMQ7963** **No output file specified.**
| **Explanation:** This command requires that an output
| file name is specified.
| **User Response:** Specify the name of the output file
| and retry the command.

| **AMQ7964** **Unexpected option &3.**
| **Explanation:** The option specified is not valid for this
| command.
| **User Response:** Retry the command with a valid
| option.

| **AMQ7965** **Incorrect number of arguments.**
| **Explanation:** The command was passed an incorrect
| number of arguments.
| **User Response:** Retry the command, passing it the
| correct number of arguments.

| **AMQ7968** **Cannot open file '&3'.**
| **Explanation:** You cannot open the file &3.
| **User Response:** Check that you have the correct
| authorization to the file and retry the command.

| **AMQ7969** **Syntax error.**
| **Explanation:** This line of the input file contains a
| language syntax error.
| **User Response:** Correct the syntax error and retry the
| command.

| **AMQ7970** **Syntax error on line &1.**
| **Explanation:** This message identifies where, in the
| input file, a previously reported error was detected.
| **User Response:** Correct the error and retry the
| command.

Chapter 6. AMQ8000-AMQ8999 WebSphere MQ administration messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

| **AMQ8001** **WebSphere MQ queue manager created.**
| **Explanation:** WebSphere MQ queue manager &5
| created.
| **User Response:** None.

| **AMQ8002** **WebSphere MQ queue manager '&5'**
| **deleted.**
| **Explanation:** WebSphere MQ queue manager '&5'
| deleted.
| **User Response:** None.

| **AMQ8003** **WebSphere MQ queue manager '&5'**
| **started.**
| **Explanation:** WebSphere MQ queue manager '&5'
| started.
| **User Response:** None.

| **AMQ8004** **WebSphere MQ queue manager '&5'**
| **ended.**
| **Explanation:** WebSphere MQ queue manager '&5'
| ended.
| **User Response:** None.

| **AMQ8005** **WebSphere MQ queue manager**
| **changed.**
| **Explanation:** WebSphere MQ queue manager &5
| changed.
| **User Response:** None.

| **AMQ8006** **WebSphere MQ queue created.**
| **Explanation:** WebSphere MQ queue &5 created.
| **User Response:** None.

| **AMQ8007** **WebSphere MQ queue deleted.**
| **Explanation:** WebSphere MQ queue &5 deleted.
| **User Response:** None.

| **AMQ8008** **WebSphere MQ queue changed.**
| **Explanation:** WebSphere MQ queue &5 changed.
| **User Response:** None.

| **AMQ8010** **WebSphere MQ process created.**
| **Explanation:** WebSphere MQ process &5 created.
| **User Response:** None.

| **AMQ8011** **WebSphere MQ process deleted.**
| **Explanation:** WebSphere MQ process &5 deleted.
| **User Response:** None.

| **AMQ8012** **WebSphere MQ process changed.**
| **Explanation:** WebSphere MQ process &5 changed.
| **User Response:** None.

| **AMQ8014** **WebSphere MQ channel created.**
| **Explanation:** WebSphere MQ channel &5 created.
| **User Response:** None.

| **AMQ8015** **WebSphere MQ channel deleted.**
| **Explanation:** WebSphere MQ channel &5 deleted.
| **User Response:** None.

| **AMQ8016** **WebSphere MQ channel changed.**
| **Explanation:** WebSphere MQ channel &5 changed.
| **User Response:** None.

| **AMQ8018** **Start WebSphere MQ channel accepted.**
| **Explanation:** The channel &5 is being started. The
| start channel function has been initiated. This involves
| a series of operations across the network before the
| channel is actually started. The channel status displays
| "BINDING" for a short period while communication
| protocols are negotiated with the channel with whom
| communication is being initiated.
| **User Response:** None.

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| **AMQ8019** Stop WebSphere MQ channel accepted.
| **Explanation:** The channel &5 has been requested to stop.
| **User Response:** None.

| **AMQ8020** Ping WebSphere MQ channel complete.
| **Explanation:** Ping channel &5 complete.
| **User Response:** None.

| **AMQ8021** WebSphere MQ Listener program started.
| **Explanation:** The channel listener program has been started.
| **User Response:** None.

| **AMQ8022** WebSphere MQ queue cleared.
| **Explanation:** All messages on queue &5 have been deleted.
| **User Response:** None.

| **AMQ8023** WebSphere MQ channel reset.
| **Explanation:** Channel &5 has been reset.
| **User Response:** None.

| **AMQ8024** WebSphere MQ channel initiator started.
| **Explanation:** The channel initiator for queue &5 has been started.
| **User Response:** None.

| **AMQ8025** WebSphere MQ channel resolved.
| **Explanation:** In doubt messages for WebSphere MQ channel &5 have been resolved.
| **User Response:** None.

| **AMQ8026** End WebSphere MQ queue manager accepted.
| **Explanation:** A controlled stop request has been initiated for queue manager &5.
| **User Response:** None.

| **AMQ8027** WebSphere MQ command server started.
| **Explanation:** The command server has been started.
| **User Response:** None.

| **AMQ8028** WebSphere MQ command server ended.
| **Explanation:** The command server has been stopped.
| **User Response:** None.

| **AMQ8029** WebSphere MQ authority granted.
| **Explanation:** Authority for object &5 granted.
| **User Response:** None.

| **AMQ8030** WebSphere MQ authority revoked.
| **Explanation:** Authority for object &5 revoked.
| **User Response:** None.

| **AMQ8033** WebSphere MQ object recreated.
| **Explanation:** MQ object &5 has been recreated from image.
| **User Response:** None.

| **AMQ8034** WebSphere MQ object image recorded.
| **Explanation:** Image of MQ object &5 has been recorded.
| **User Response:** None.

| **AMQ8035** WebSphere MQ Command Server Status
| . . : Running
| **Explanation:** None.
| **User Response:** None.

| **AMQ8036** WebSphere MQ command server status .
| . : Stopping
| **Explanation:** None.
| **User Response:** None.

| **AMQ8037** WebSphere MQ command server status .
| . : Starting
| **Explanation:** None.
| **User Response:** None.

| **AMQ8038** WebSphere MQ command server status .
| . : Running with queue disabled
| **Explanation:** None.
| **User Response:** None.

| **AMQ8039** WebSphere MQ command server status .
| . : Stopped
| **Explanation:** None.
| **User Response:** None.

| **AMQ8040** WebSphere MQ command server ending.
| **Explanation:** None.
| **User Response:** None.

AMQ8041 The queue manager cannot be restarted or deleted because processes, that were previously connected, are still running.
Explanation: Processes, that were connected to the queue manager the last time it was running, are still active. The queue manager cannot be restarted.
User Response: Stop the processes and try to start the queue manager.

AMQ8042 Process &1 is still running.**Explanation:****User Response:**

AMQ8043 Non runtime application attempted to connect to runtime only queue manager.**Explanation:** A non runtime application attempted to connect to a queue manager on a node where support for non runtime applications has not been installed. The connect attempt will be rejected with a reason of MQRC_ENVIRONMENT_ERROR.**User Response:** If the node is intended to support only runtime applications, investigate why a non runtime application has attempted to connect to the queue manager. If the node is intended to support non runtime only applications, investigate if the base option has been installed. The base option must be installed if non runtime applications are to run on this node.

AMQ8044 An error occurred while removing the queue manager from the Active Directory.**Explanation:** The attempt to remove the queue manager from the Windows Active Directory failed. This may be because the appropriate entry could not be opened or modified, or the Service Control Point has already been removed.**User Response:** Check that your account has the authority to delete objects from the Active Directory, and that the entry has not already been deleted.

AMQ8045 An error occurred while removing the queue manager from the Service Control Manager.**Explanation:** The attempt to remove the queue manager from the Windows registry failed. This may be because the appropriate entry could not be opened or modified.**User Response:** Check that the registry has sufficient space on your disk to grow and that your account has the authority to modify it.

AMQ8048 Default objects statistics : &1 created. &2 replaced. &3 failed.**Explanation:** Information on the number of objects created or replaced successfully as well as any failures that occurred while creating the default objects.**User Response:** None.

AMQ8049 Object &4. Unable to create or replace.**Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to improper authorization. The reason code is &1.**User Response:** Check this log for more details of what the problem may be. Make sure there are sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from| backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8050 Creating or replacing default objects for &3.**Explanation:****User Response:** None.

AMQ8051 For details of the failures that occurred, please check AMQERR01.LOG.**Explanation:****User Response:** None.

AMQ8051 For details of the failures that occurred, please check MQERRLG1.**Explanation:****User Response:** None.

AMQ8052 Completing setup.**Explanation:****User Response:** None.

AMQ8053 Object &4. Unable to create or replace.**Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to a broken connection. The reason code is &1.**User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8054 Object &4. Unable to create or replace.**Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to unavailable storage. The reason code is &1.**User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8055 Object &4. Unable to create or replace.**Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to a damaged object. The reason code is &1.**User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using

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| dltnmqm and create it again using crtnmqm.

AMQ8056 Object &4. Unable to create or replace.

| **Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to a channel definition error. The error code is &1 (X'&2').
| **User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltnmqm and create it again using crtnmqm.

AMQ8057 Object &4. Unable to create or replace.

| **Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to invalid records in the channel definition file. The error code is &1 (X'&2').
| **User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltnmqm and create it again using crtnmqm.

AMQ8058 Object &4. Unable to create or replace.

| **Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to not finding the channel definition file. The error code is &1 (X'&2').
| **User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltnmqm and create it again using crtnmqm.

AMQ8059 Object &4. Unable to create or replace.

| **Explanation:** While creating or replacing the default object &4 for WebSphere MQ queue manager &5 an error occurred. The error was due to an unexpected error, error code &1 (X'&2').
| **User Response:** Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltnmqm and create it again using crtnmqm.

AMQ8061 Command '&4' is not valid.

| **Explanation:** The command '&4' at line &1 in the WebSphere MQ service command file '&3' for queue manager '&5' is not valid for use in the service command file. The line is ignored.
| **User Response:** Check the contents of the file and retry the operation.

AMQ8062 Unexpected return code, '&1', from command '&3'.

| **Explanation:** An unexpected return code, '&1', was returned by command '&3'. This command was issued by the WebSphere MQ service for queue manager '&4'.
| **User Response:** Verify that the command and parameters are correct.

AMQ8063 Not authorized to issue command '&3'.

| **Explanation:** The current user '&5' is not authorized to issue the command '&3'. The command is ignored.
| **User Response:** Add the user to the local 'mqm' security group and retry the operation.

AMQ8064 Not authorized to start trusted application.

| **Explanation:** The user '&5' is not authorized to start the trusted application '&3'. The application has not started.
| **User Response:** Add the user to the local 'mqm' security group and restart the application.

AMQ8065 Local group '&3' not found.

| **Explanation:** The local group '&3' is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.
| **User Response:** Create the required local group and retry the operation.

AMQ8066 Local mqm group not found.

| **Explanation:** The local mqm group is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.
| **User Response:** Create the local mqm group and retry the operation.

AMQ8067 WebSphere MQ channel auto-defined.

| **Explanation:** Channel &5 auto-defined.
| **User Response:** None.

AMQ8068 Setup completed.

| **Explanation:**
| **User Response:** None.

AMQ8069 ApplicationGroup for the crtnmqm command does not contain the mqm userid.

| **Explanation:** WebSphere MQ queue manager &5 not created. The ApplicationGroup specified for the crtnmqm command must contain the mqm userid when the RestrictedMode option (-g) is specified.
| **User Response:** None.

AMQ8070 ApplicationGroup for crtmqm command is not defined.

Explanation: WebSphere MQ queue manager &5 not created. RestrictedMode option (-g) specified, but the ApplicationGroup does not exist.

User Response: None.

AMQ8071 RestrictedMode option not supported on this platform.

Explanation: WebSphere MQ queue manager &5 not created. The RestrictedMode option was specified but is not supported on this platform.

User Response: None.

AMQ8072 Not authorized to administer channels.

Explanation: The command server for queue manager '&3' received an administration command for channels. The user '&5' is not authorized to administer WebSphere MQ channels. The command server has not processed the command.

User Response: Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8073 Authorization failed because SID: (&3) could not be resolved.

Explanation: The Object Authority Manager was unable to resolve the specified SID into entity and domain information.

User Response: Ensure that the application provides a SID that is recognized on this system, that all necessary domain controllers are available, and that the security policy is set as you required.

AMQ8074 Authorization failed as the SID '&3' does not match the entity '&4'.

Explanation: The Object Authority Manager received inconsistent data - the supplied SID does not match that of the supplied entity information.

User Response: Ensure that the application is supplying valid entity and SID information.

AMQ8075 Authorization failed because the SID for entity '&3' cannot be obtained.

Explanation: The Object Authority Manager was unable to obtain a SID for the specified entity.

User Response: Ensure that the entity is valid, and that all necessary domain controllers are available.

AMQ8076 Authorization failed because no SID was supplied for entity '&3'.

Explanation: The Object Authority Manager was not supplied with SID information for the specified entity, and the security policy is set to 'NTSIDsRequired'.

User Response: Ensure that the application is supplying a valid SID, and that the security policy is set as you require.

AMQ8077 Entity '&3' has insufficient authority to access object '&4'.

Explanation: The specified entity is not authorized to access the required object. The following requested permissions are unauthorized: &5

User Response: Ensure that the correct level of authority has been set for this entity against the required object, or ensure that the entity is a member of a privileged group.

AMQ8078 Waiting for queue manager '&3' to end.

Explanation:

User Response: None.

AMQ8079 Access was denied when attempting to retrieve group membership information for user '&3'.

Explanation: WebSphere MQ, running with the authority of user '&4', was unable to retrieve group membership information for the specified user.

User Response: Ensure Active Directory access permissions allow user '&4' to read group memberships for user '&3'. To retrieve group membership information for a domain user, MQ must run with the authority of a domain user.

AMQ8081 Not authorized to administer queue managers.

Explanation: The command server for queue manager '&3' received an administration command for a queue manager. The user '&5' is not authorized to administer WebSphere MQ queue managers. The command server has not processed the command.

User Response: Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8082 Not authorized to administer clusters.

Explanation: The command server for queue manager '&3' received an administration command for clusters. The user '&5' is not authorized to administer WebSphere MQ clusters. The command server has not processed the command.

User Response: Add the user to the local 'mqm' security group, and ensure that the security policy is set as required.

AMQ8101 WebSphere MQ error (&1) has occurred.

Explanation: An unexpected reason code with hexadecimal value &1 was received from the WebSphere MQ queue manager during command processing. (Note that hexadecimal values in the range X'07D1'-X'0BB7' correspond to MQI reason codes 2001-2999.) More information might be available in the log. If the reason code value indicates that the error was associated with a particular parameter, the parameter concerned is &4.

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| **User Response:** Correct the error and then try the
| command again.

| **AMQ8102 WebSphere MQ object name specified
| in &4 not valid.**

| **Explanation:** The object name &5 specified in &4 is
| not valid. The length of the name must not exceed 48
| characters, or 20 characters if it is a channel name. The
| name should contain the following characters only:
| lowercase a-z, uppercase A-Z, numeric 0-9, period (.),
| forward slash (/), underscore (_) and percent sign (%).
| **User Response:** Change the length of the parameter
| value or change the parameter value to contain a valid
| combination of characters, then try the command again.

AMQ8103 Insufficient storage available.

Explanation: There was insufficient storage available
to perform the requested operation.

User Response: Free some storage and then try the
command again.

| **AMQ8104 WebSphere MQ directory &3 not found.**

| **Explanation:** Directory &3 was not found. This
| directory is created when WebSphere MQ is installed
| successfully. Refer to the log for more information.

| **User Response:** Verify that installation of WebSphere
| MQ was successful. Correct the error and then try the
| command again.

AMQ8105 Object error.

Explanation: An object error occurred. Refer to the log
for more information.

User Response: Correct the error and then try the
command again.

| **AMQ8106 WebSphere MQ queue manager being
| created.**

| **Explanation:** The queue manager is being created.

| **User Response:** Wait for the creation process to
| complete and then try the command again.

| **AMQ8107 WebSphere MQ queue manager
| running.**

| **Explanation:** The queue manager is running.

| **User Response:** None.

| **AMQ8108 WebSphere MQ queue manager '&3'
| ending.**

| **Explanation:** The queue manager '&3' is ending.

| **User Response:** Wait for the queue manager to end
| and then try the command again.

| **AMQ8109 WebSphere MQ queue manager being
| deleted.**

| **Explanation:** The queue manager is being deleted.

| **User Response:** Wait for the deletion process to
| complete.

| **AMQ8110 WebSphere MQ queue manager already
| exists.**

| **Explanation:** The queue manager &5 already exists.

| **User Response:** None.

| **AMQ8117 WebSphere MQ queue manager deletion
| incomplete.**

| **Explanation:** Deletion of queue manager &5 was only
| partially successful. An object was not found, or could
| not be deleted. Refer to the log for more information.

| **User Response:** Delete any remaining queue manager
| objects.

| **AMQ8118 WebSphere MQ queue manager does
| not exist.**

| **Explanation:** The queue manager &5 does not exist.

| **User Response:** Create the message queue manager
| (crtmqm command) and then try the command again.

| **AMQ8135 Not authorized.**

| **Explanation:** You are not authorized to perform the
| requested operation for the WebSphere MQ object &5
| specified in &3. Either you are not authorized to
| perform the requested operation, or you are not
| authorized to the specified MQ object. For a copy
| command, you may not be authorized to the specified
| source MQ object, or, for a create command, you may
| not be authorized to the system default MQ object of
| the specified type.

| **User Response:** Obtain the necessary authority from
| your security officer or WebSphere MQ administrator.
| Then try the command again.

| **AMQ8137 WebSphere MQ queue manager already
| starting.**

| **Explanation:** The strmqm command was unsuccessful
| because the queue manager &5 is already starting.

| **User Response:** Wait for the strmqm command to
| complete.

| **AMQ8138 The WebSphere MQ queue has an
| incorrect type.**

| **Explanation:** The operation is not valid with queue &5
| because it is not a local queue.

| **User Response:** Change the QNAME parameter to
| specify a queue of the correct type.

AMQ8139 **Already connected.**
Explanation: A connection to the WebSphere MQ queue manager already exists.
User Response: None.

AMQ8140 **Resource timeout error.**
Explanation: A timeout occurred in the communication between internal WebSphere MQ queue manager components. This is most likely to occur when the system is heavily loaded.
User Response: Wait until the system is less heavily loaded, then try the command again.

AMQ8141 **WebSphere MQ queue manager starting.**
Explanation: The queue manager &5 is starting.
User Response: Wait for the queue manager startup process to complete and then try the command again.

AMQ8142 **WebSphere MQ queue manager stopped.**
Explanation: The queue manager &5 is stopped.
User Response: Use the strmqm command to start the queue manager, and then try the command again.

AMQ8143 **WebSphere MQ queue not empty.**
Explanation: The queue &5 specified in &2 is not empty or contains uncommitted updates.
User Response: Commit or roll back any uncommitted updates. If the command is DELETE QLOCAL, use the CLEAR QLOCAL command to clear the messages from the queue. Then try the command again.

AMQ8144 **Log not available.**
Explanation: The WebSphere MQ logging resource is not available.
User Response: Use the dlmqm command to delete the queue manager and then the crmqm command to create the queue manager. Then try the command again.

AMQ8145 **Connection broken.**
Explanation: The connection to the WebSphere MQ queue manager failed during command processing. This may be caused by an endmqm command being issued by another user, or by a queue manager error.
User Response: Use the strmqm command to start the message queue manager, wait until the message queue manager has started, and try the command again.

AMQ8146 **WebSphere MQ queue manager not available.**
Explanation: The queue manager is not available because it has been stopped or has not been created.
User Response: Use the crmqm command to create the message queue manager, or the strmqm command to start the message queue manager as necessary. Then try the command again.

AMQ8147 **WebSphere MQ object &3 not found.**
Explanation: If the command entered was Change or Display, the object &3 specified does not exist. If the command entered was Copy, the source object does not exist. If the command entered was Create, the system default MQ object of the specified type does not exist.
User Response: Correct the object name and then try the command again or, if you are creating a new queue or process object, either specify all parameters explicitly or ensure that the system default object of the required type exists. The system default queue names are SYSTEM.DEFAULT.LOCAL.QUEUE, SYSTEM.DEFAULT.ALIAS.QUEUE and SYSTEM.DEFAULT.REMOTE.QUEUE. The system default process name is SYSTEM.DEFAULT.PROCESS.

AMQ8148 **WebSphere MQ object in use.**
Explanation: The object &5 specified in &3 is in use by an MQ application program.
User Response: Wait until the object is no longer in use and then try the command again. If the command is ALTER or CHANGE, specify FORCE to force the processing of the object regardless of any application program affected by the change. If the object is the dead-letter queue and the open input count is nonzero, it may be in use by an MQ channel. If the object is another queue object with a nonzero open output count, it may be in use by a MQ channel (of type RCVR or RQSTR). In either case, use the STOP CHANNEL and START CHANNEL commands to stop and restart the channel in order to solve the problem. To alter the queue USAGE the FORCE option must be used if the queue is not empty.

AMQ8149 **WebSphere MQ object damaged.**
Explanation: The object &5 specified in &4 is damaged.
User Response: The object contents are not valid. Issue the DISPLAY CHANNEL, DISPLAY QUEUE, or DISPLAY PROCESS command, as required, to determine the name of the damaged object. Issue the DEFINE command, for the appropriate object type, to replace the damaged object, then try the command again.

AMQ8150 **WebSphere MQ object already exists.**
Explanation: The object &5 specified for &3 could not be created because it already exists.
User Response: Check that the name is correct and try the command again specifying REPLACE, or delete the object. Then try the command again.

AMQ8151 **WebSphere MQ object has different type.**
Explanation: The type specified for object &5 is different from the type of the object being altered or defined.
User Response: Use the correct MQ command for the

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| object type, and then try the command again.

AMQ8152 Source WebSphere MQ object has different type.

| **Explanation:** The type of the source object is different from that specified.

| **User Response:** Correct the name of the command, or source object name, and then try the command again, or try the command using the REPLACE option.

AMQ8153 Insufficient disk space for the specified queue.

| **Explanation:** The command failed because there was insufficient disk space available for the specified queue.

| **User Response:** Release some disk space and then try the command again.

AMQ8154 API exit load error.

| **Explanation:** The WebSphere MQ queue manager was unable to load the API crossing exit.

| **User Response:** Ensure that the API crossing exit program is valid, and that its name and directory are correctly specified. Correct any error and then try the command again.

AMQ8155 Connection limit exceeded.

| **Explanation:** The queue manager connection limit has been exceeded.

| **User Response:** The maximum limit on the number of WebSphere MQ application programs that may be connected to the queue manager has been exceeded. Try the command later.

AMQ8156 WebSphere MQ queue manager quiescing.

| **Explanation:** The queue manager is quiescing.

| **User Response:** The queue manager was stopping with -c specified for endmqm. Wait until the queue manager has been restarted and then try the command again.

AMQ8157 Security error.

| **Explanation:** An error was reported by the security manager program.

| **User Response:** Inform your systems administrator, wait until the problem has been corrected, and then try the command again.

AMQ8172 Already disconnected.

| **Explanation:** The MQI reason code of 2018 was returned from the WebSphere MQ queue manager in response to an MQDISC request issued during command processing.

| **User Response:** None.

AMQ8173 No processes to display.

| **Explanation:** There are no matching processes defined on this system.

| **User Response:** Using the DEFINE PROCESS command to create a process.

AMQ8174 No queues to display.

| **Explanation:** There are no matching queues defined on this system.

| **User Response:** Use the appropriate command to define a queue of the type that you require, that is, DEFINE QALIAS, DEFINE QLOCAL, DEFINE QMODEL, or DEFINE QREMOTE.

AMQ8185 Operating system object already exists.

| **Explanation:** The WebSphere MQ object cannot be created because an object that is not known to MQ already exists in the MQ directory with the name that should be used for the new object. Refer to the log for previous messages.

| **User Response:** Remove the non-MQ object from the MQ library, and try the command again.

AMQ8186 Image not available for WebSphere MQ object &5.

| **Explanation:** The object &5 type &3 cannot be recreated because the image is not fully available in the logs that are currently online. Refer to earlier messages in the error log for information about the logs that need to be brought online for this object to be recreated.

| **User Response:** Bring the relevant logs online, and try the command again.

AMQ8187 WebSphere MQ object &5 is currently open.

| **Explanation:** The object &5, type &3, is currently in use, so the &1 command cannot be issued against it. If a generic list was presented to the command, the command is still issued against the other objects in the list.

| **User Response:** Wait until the object is no longer in use, and try the command again.

AMQ8188 Insufficient authorization to WebSphere MQ object &5.

| **Explanation:** You are not authorized to issue the &1 command against the object &5 type &3. If a generic list was presented to the command, the command is still issued against the other objects in the list.

| **User Response:** Obtain sufficient authorization for the object, and retry the command.

AMQ8189 WebSphere MQ object &5 is damaged.

| **Explanation:** The object &5 type &4 is damaged and the &3 command cannot be issued against it. If a generic list was presented to the command then the

| command is still issued against the other objects in the
| list.
| **User Response:** Issue the appropriate DEFINE
| command for the object, specifying REPLACE, and then
| try the command again.

AMQ8190 &3 succeeded on &1 objects and failed
on &2 objects.

Explanation: An operation performed on a generic list
of objects was not completely successful.

User Response: Examine the log for details of the
errors encountered, and take appropriate action.

| **AMQ8191** WebSphere MQ command server is
| starting.

| **Explanation:** The command server is starting.

| **User Response:** Wait for the strmqcsv command to
| complete and then try the operation again.

| **AMQ8192** WebSphere MQ command server
| already starting.

| **Explanation:** The request to start the command server
| was unsuccessful because the command server is
| already starting.

| **User Response:** Wait for the strmqcsv command to
| complete.

| **AMQ8193** WebSphere MQ command server is
| ending.

| **Explanation:** The command server is ending.

| **User Response:** Wait for the endmqcsv command to
| complete and then try the command again.

| **AMQ8194** WebSphere MQ command server
| already ending.

| **Explanation:** The end command server request was
| unsuccessful because the command server is already
| ending.

| **User Response:** Wait for the endmqcsv command to
| complete.

| **AMQ8195** WebSphere MQ command server
| already running.

| **Explanation:** The strmqcsv command was
| unsuccessful because the command server is already
| running.

| **User Response:** None.

| **AMQ8196** WebSphere MQ command server
| already stopped.

| **Explanation:** The request to end the command server
| was unsuccessful because the command server is
| already stopped.

| **User Response:** None.

| **AMQ8197** Deleted WebSphere MQ queue
| damaged.

| **Explanation:** The deleted MQ queue &5 was
| damaged, and any messages it contained have been
| lost.

| **User Response:** None.

AMQ8202 TMQNAME only allowed with channel
type *SDR or *SVR.

Explanation: The TMQNAME parameter may only be
specified with channel type *SDR or *SVR.

User Response: Remove the TMQNAME parameter
from the command or, if the command is
CRTMQMCHL, change the CHLTYPE parameter value
to specify *SDR or *SVR. Then try the command again.

AMQ8204 MCANAME only allowed with channel
type *SDR, *SVR, or *RQSTR.

Explanation: The MCANAME parameter may only be
specified with channel type *SDR, *SVR, or *RQSTR.

User Response: Remove the MCANAME parameter
from the command or, if the command is
CRTMQMCHL, change the CHLTYPE parameter value
to specify *SDR, *SVR, or *RQSTR. Then try the
command again.

AMQ8205 DSCITV only allowed with channel
type *CLUSSDR, *CLUSRCVR, *SDR or
*SVR.

Explanation: The DSCITV parameter may only be
specified with channel type *CLUSSDR, *CLUSRCVR,
*SDR or *SVR.

User Response: Remove the DSCITV parameter from
the command or, if the command is CRTMQMCHL,
change the CHLTYPE parameter value to specify
*CLUSSDR, *CLUSRCVR, *SDR or *SVR. Then try the
command again.

AMQ8206 SHORTRTY only allowed with channel
type *CLUSSDR, CLUSRCVR, *SDR or
*SVR.

Explanation: The SHORTRTY parameter may only be
specified with channel type *CLUSSDR, *CLUSRCVR,
*SDR or *SVR.

User Response: Remove the SHORTRTY parameter
from the command or, if the command is
CRTMQMCHL, change the CHLTYPE parameter value
to specify *CLUSSDR, *CLUSRCVR, *SDR or *SVR.
Then try the command again.

AMQ8207 SHORTTMR only allowed with channel
type *CLUSSDR, CLUSRCVR, *SDR or
*SVR.

Explanation: The SHORTTMR parameter may only be
specified with channel type *CLUSSDR, *CLUSRCVR,
*SDR or *SVR.

User Response: Remove the SHORTTMR parameter
from the command or, if the command is

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CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8208 LONGRTY only allowed with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Explanation: The LONGRTY parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

User Response: Remove the LONGRTY parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8209 LONGTMR only allowed with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

Explanation: The LONGTMR parameter may only be specified with channel type *CLUSSDR, *CLUSRCVR, *SDR or *SVR.

User Response: Remove the LONGTMR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *CLUSSDR, *CLUSRCVR, *SDR or *SVR. Then try the command again.

AMQ8210 PUTAUT only allowed with channel type *RCVR or RQSTR.

Explanation: The PUTAUT parameter may only be specified with channel type *RCVR or RQSTR.

User Response: Remove the PUTAUT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *RCVR or RQSTR. Then try the command again.

AMQ8211 BATCHINT only allowed with channel type *SDR or *SVR.

Explanation: The BATCHINT parameter may only be specified with channel type *SDR or *SVR.

User Response: Remove the BATCHINT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8214 CONNAME parameter missing.

Explanation: The CONNAME parameter must be specified with channel types SDR, RQSTR, CLNTCONN, and CLUSSDR. It is also required with channel type CLUSRCVR if the TRPTYPE is not TCP.

User Response: Enter a value for parameter CONNAME.

AMQ8219 Command server queue is open, retry later.

Explanation:

User Response: Wait and try again later.

| **AMQ8226** WebSphere MQ channel already exists.

| **Explanation:** The channel &3 cannot be created because it already exists.

| **User Response:** Check that the name is correct and try the command again specifying REPLACE, or delete the channel and then try the command again.

AMQ8227 Channel &3 not found.

Explanation: The channel could not be found.

User Response: Correct the Channel Name if wrong and then try the command again. For DEFINE CHANNEL check that the Channel Name in error exists.

| **AMQ8242** SSLCIPH definition wrong.

| **Explanation:** The definition of the SSLCIPH parameter was wrong.

| **User Response:** Correct the SSLCIPH definition and try the command again.

| **AMQ8243** SSLPEER definition wrong.

| **Explanation:** The definition of the SSLPEER parameter was wrong. Possible causes may be that the syntax was invalid or that it contained an invalid attribute type.

| **User Response:** Correct the SSLPEER definition and try the command again.

AMQ8287 No channels with status to display.

Explanation: There are no channels having status information to display. This indicates either, that the channel has not been started previously, or, that the channel has been started but has not yet completed a transmission sequence.

User Response: None.

| **AMQ8296** &1 MQSC commands completed successfully.

| **Explanation:** The &3 command has completed successfully. The &1 MQ commands from &5 have been processed without error and a report written to the printer spool file.

| **User Response:** None.

| **AMQ8297** &1 MQSC commands verified successfully.

| **Explanation:** The &3 command completed successfully. The &1 MQ commands from &5 have been verified and a report written to the printer spool file.

| **User Response:** None.

AMQ8298 Error report generated for MQSC command process.

Explanation: The &3 command attempted to process the sequence of MQ commands from &5 and encountered some errors, however, the operation may have partially completed. A report has been written to the printer spool file.

User Response: Examine the spooled printer file for details of the errors encountered, correct the MQSC source file, and retry the operation.

AMQ8299 Cannot open &5 for MQSC process.

Explanation: The &1 command failed to open &5 for MQ command processing.

User Response: Check that the intended file exists, and has been specified correctly. Correct the specification or create the object, and try the operation again.

AMQ8302 Internal failure initializing WebSphere MQ services.

Explanation: An error occurred while attempting to initialize WebSphere MQ services.

User Response: A call to xcsInitialize ended with the FAIL, STOP, or STOP_ALL return code. Refer to the log for messages diagnosing this problem.

AMQ8304 Tracing cannot be started. Too many traces are already running.

Explanation: A maximum of 9 traces may be running concurrently. This number is already running.

User Response: Stop one or more of the other traces and try the command again.

AMQ8305 Tracing cannot be started. Too many traces are already running.

Explanation: A maximum of 9 traces can be running concurrently, and this number of traces is already running.

User Response: Stop one or more of the other traces and try the command again.

AMQ8315 No namelists to display.

Explanation: There are no matching namelists defined on this system.

User Response: Use the Create Namelist (CRTMQMNL) command to create a namelist.

AMQ8316 No cluster queue managers to display.

Explanation: There are no matching cluster queue managers defined on this system.

User Response: None.

AMQ8319 MSGEXIT only allowed with channel type *SDR, *SVR, *RCVR *RQSTR, *CLUSSDR or *CLUSRCVR.

Explanation: The MSGEXIT parameter may only be specified with channel type *SDR, *SVR, *RCVR, *RQSTR, *CLUSSDR, or *CLUSRCVR.

User Response: Remove the MSGEXIT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR or *RCVR or *RQSTR or *CLUSSDR or *CLUSRCVR. Then try the command again.

AMQ8342 No authorities to display.

Explanation: There are no authority records defined on this system, satisfying the input parameters.

User Response: Use the appropriate input to list all the authorities defined on the system, or enter the command again with different input.

AMQ8343 The authority *REMOVE is not valid with user QMQMADM.

Explanation: You are not allowed to completely delete the authorities assigned to user QMQMADM, for a valid WebSphere MQ object, with the authority *REMOVE.

User Response: Remove QMQMADM from the list of users to this command.

AMQ8401 &1 MQSC commands read.

Explanation: The MQSC script contains &1 commands.

User Response: None.

AMQ8402 &1 commands have a syntax error.

Explanation: The MQSC script contains &1 commands having a syntax error.

User Response: None.

AMQ8403 &1 valid MQSC commands could not be processed.

Explanation: The MQSC script contains &1 commands that failed to process.

User Response: None.

AMQ8404 Command failed.

Explanation: An MQSC command has been recognized, but cannot be processed.

User Response: None.

AMQ8405 Syntax error detected at or near end of command segment below:-

Explanation: The MQSC script contains &1 commands having a syntax error.

User Response: None.

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AMQ8406 Unexpected 'end of input' in MQSC.

Explanation: An MQSC command contains a continuation character, but the 'end of input' has been reached without completing the command.

User Response: None.

AMQ8407 Display Process details.

Explanation: The MQSC DISPLAY PROCESS command completed successfully, and details follow this message.

User Response: None.

AMQ8408 Display Queue Manager details.

Explanation: The MQSC DISPLAY QMGR command completed successfully, and details follow this message.

User Response: None.

AMQ8409 Display Queue details.

Explanation: The MQSC DISPLAY QUEUE command completed successfully, and details follow this message.

User Response: None.

AMQ8410 Parser Error.

Explanation: The MQSC Parser has an internal error.

User Response: None.

AMQ8411 Duplicate Keyword Error.

Explanation: A command in the MQSC script contains duplicate keywords.

User Response: None.

AMQ8412 Numeric Range Error.

Explanation: The value assigned to an MQSC command keyword is out of the permitted range.

User Response: None.

AMQ8413 String Length Error.

Explanation: A string assigned to an MQSC keyword is either NULL, or longer than the maximum permitted for that keyword.

User Response: None.

AMQ8414 Display Channel details.

Explanation: The MQSC DISPLAY CHL command completed successfully, and details follow this message.

User Response: None.

AMQ8415 Ping WebSphere MQ Queue Manager command complete.

Explanation: The MQSC PING QMGR command completed successfully.

User Response: None.

AMQ8416 MQSC timed out waiting for a response from the command server.

Explanation: MQSC did not receive a response message from the remote command server in the time specified.

User Response: None.

AMQ8417 Display Channel Status details.

Explanation: The MQSC DISPLAY CHANNEL STATUS command completed successfully, and details follow this message.

User Response: None.

AMQ8418 &1 command responses received.

Explanation: Running in queued mode, &1 command responses were received from the remote command server.

User Response: None.

AMQ8419 The Queue is already in the DCE cell.

Explanation: The Queue is already in the cell, that is, its SCOPE attribute is already CELL.

User Response: None.

AMQ8420 Channel Status not found.

Explanation: No status was found for the specified channel(s).

User Response: None.

AMQ8421 A required keyword was not specified.

Explanation: A keyword required in this command was not specified.

User Response: None.

AMQ8422 MQSC found the following response to a previous command on the reply q :-

Explanation: MQSC found additional command responses on the reply q. They will fill follow this message.

User Response: None.

AMQ8423 Cell Directory not available.

Explanation: The DCE cell directory is not available, so the requested operation has failed.

User Response: None.

AMQ8424 Error detected in a name keyword.

Explanation: A keyword in an MQSC command contained a name string which was not valid. This may be because it contained characters which are not accepted in MQ names. Typical keywords which can produce this error are QLOCAL (and the other q types), CHANNEL, XMITQ, INITQ, MCANAME etc.

User Response: None.

AMQ8425 Attribute value error.

Explanation: A keyword in an MQSC command contained a value that was not valid.

User Response: None.

AMQ8426 Valid MQSC commands are:

Explanation: The text shows valid MQSC commands.

User Response: None.

AMQ8427 Valid syntax for the MQSC command:

Explanation: The text shown is the valid syntax for the MQSC command.

User Response: None.

AMQ8428 TYPE Keyword has already been specified.

Explanation: The TYPE has already been specified after the DISPLAY verb, for example DISPLAY QUEUE(*) type(QLOCAL) type(QALIAS).

User Response: Delete the second TYPE keyword and run the command again.

AMQ8430 Remote queue manager name is unknown.

Explanation: The Remote queue manager name is not known to this queue manager. Check that a transmission queue of the same name as the remote queue manager name exists.

User Response: Create a transmission queue of the same name as the remote queue manager if one does not exist.

AMQ8431 Transmission queue does not exist

Explanation: The transmission queue does not exist on this queue manager.

User Response: None.

AMQ8433 You are not allowed to set both the CLUSTER and CLUSNL fields.

Explanation: An attempt to set both the CLUSTER and CLUSNL fields has been made. Only one of these fields can have a value other than blank. Both of the fields may be blank.

User Response: None.

AMQ8434 The repository is unavailable.

Explanation: The repository is unavailable and the data cannot be accessed. Stop and restart the queue manager.

User Response: None.

AMQ8435 All valid MQSC commands were processed.

Explanation: The MQSC script contains no commands that failed to process.

User Response: None.

AMQ8436 One valid MQSC command could not be processed.

Explanation: The MQSC script contains one command that failed to process.

User Response: None.

AMQ8437 No MQSC commands read.

Explanation: The MQSC script contains no commands.

User Response: None.

AMQ8438 One MQSC command read.

Explanation: The MQSC script contains one command.

User Response: None.

AMQ8439 No commands have a syntax error.

Explanation: The MQSC script contains no commands having a syntax error.

User Response: None.

AMQ8440 One command has a syntax error.

Explanation: The MQSC script contains one command which has a syntax error.

User Response: None.

AMQ8443 Only the CLUSTER or CLUSNL field may have a value.

Explanation: An attempt has been made to set both CLUSTER and CLUSNL fields. One and only one of the fields may have a value, the other field must be blank. Change the value of one of the fields to blank and try the command again.

User Response: None.

AMQ8444 The CLUSTER or CLUSNL fields must have a value.

Explanation: Both the CLUSTER and CLUSNL fields are blank. One and only one of the fields may be blank, the other field must be a value. Change one of the fields from blank to a value and try the command again.

User Response: None.

AMQ8445 Program cannot open queue manager object.

Explanation: An attempt to open a queue manager object has failed.

User Response: See the previously listed messages in the job log.

AMQ8446 Channel is currently active.

Explanation: The requested operation failed because the channel is currently active.

User Response: See the previously listed messages in the job log.

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AMQ8447 Requested operation on channel '&5' not valid for this channel type.

Explanation: The operation requested cannot be performed because channel '&5' is not of a suitable type. For example, only sender, server and cluster-sender channels can be resolved.

User Response: Check that the correct operation was requested. If it was, check that the correct channel name was specified.

AMQ8448 Channel '&5' is not running.

Explanation: A request to end channel '&5' has failed because the channel is not running.

User Response: Check that the correct operation was requested. If it was, check that the correct channel name was specified.

AMQ8449 Queue '&5' inhibited for MQGET.

Explanation: An MQGET failed because the queue '&5' had been previously inhibited for MQGET.

User Response: None.

AMQ8450 Display queue status details.

Explanation: The MQSC DISPLAY QSTATUS command completed successfully. Details follow this message.

User Response:

AMQ8453 The path '&3' is invalid

Explanation: You typed a path which was not syntactically correct for the operating system you are running WebSphere MQ on.

User Response: Determine the correct syntax of a path name for the operating system you are running WebSphere MQ on and use this information to type in a valid path.

AMQ8454 Syntax error found in parameter &3.

Explanation: The data you entered for &3 does not conform to the syntax rules laid down by WebSphere MQ for this parameter.

User Response: Carefully check the data entered for this parameter in conjunction with the WebSphere MQ Command Reference to determine the cause of error.

AMQ8455 Password length error

Explanation: The password string length is rounded up by WebSphere MQ to the nearest eight bytes. This rounding causes the total length of the SSLCRYP string to exceed its maximum.

User Response: Decrease the size of the password, or of earlier fields in the SSLCRYP string.

AMQ8456 Conflicting parameters in command.

Explanation: The command contains parameters that cannot be used together.

User Response: Refer to the WebSphere MQ Script (MQSC) Command Reference to determine an allowable combination of parameters for this command.

AMQ8498 Starting MQSC for queue manager &3.

Explanation: The MQSC script contains &1 commands.

User Response: None.

AMQ8501 Common services initialization failed with return code &1.

Explanation: A request by the command server to initialize common services failed with return code &1.

User Response: None.

AMQ8502 Connect shared memory failed with return code &1.

Explanation: A request by the command server to connect shared memory failed with return code &1.

User Response: None.

AMQ8503 Post event semaphore failed with return code &1.

Explanation: A request by the command server to post an event semaphore failed with return code &1.

User Response: None.

AMQ8504 Command server MQINQ failed with reason code &1.

Explanation: An MQINQ request by the command server, for the WebSphere MQ queue &3, failed with reason code &1.

User Response: None.

AMQ8505 Reallocate memory failed with return code &1.

Explanation: A request by the command server to reallocate memory failed with return code &1.

User Response: None.

AMQ8506 Command server MQGET failed with reason code &1.

Explanation: An MQGET request by the command server, for the WebSphere MQ queue &3, failed with reason code &1.

User Response: None.

AMQ8507 Command server MQPUT1 request for an undelivered message failed with reason code &1.

Explanation: An attempt by the command server to put a message to the dead-letter queue, using

| MQPUT1, failed with reason code &1. The MQDLH
| reason code was &2.
| **User Response:** None.

| **AMQ8508 Queue Manager Delete Object List
| failed with return code &1.**
| **Explanation:** A request by the command server to
| delete a queue manager object list failed with return
| code &1.
| **User Response:** None.

| **AMQ8509 Command server MQCLOSE reply-to
| queue failed with reason code &1.**
| **Explanation:** An MQCLOSE request by the command
| server for the reply-to queue failed with reason code
| &1.
| **User Response:** None.

| **AMQ8510 Command server queue is open, try
| again later.**
| **Explanation:**
| **User Response:**

| **AMQ8514 No response received after &1 seconds.**
| **Explanation:** The command server has not reported
| the status of running, to the start request, before the
| timeout of &1 seconds was reached.
| **User Response:** None.

| **AMQ8517 The messages files are partitioned and
| cannot be moved.**
| **Explanation:** Partition Error from the almqfls
| command.
| **User Response:** None.

| **AMQ8549 Total string length exceeds the
| maximum value of 999 characters.**
| **Explanation:** The total length of a channel exit string
| is 999 characters. The string list assigned to an MQSC
| keyword is longer than the maximum value of 999
| characters permitted for that keyword.
| **User Response:** None.

| **AMQ8550 Display namelist details.**
| **Explanation:** The MQSC DISPLAY NAMELIST
| command completed successfully, and details follow
| this message.
| **User Response:** None.

| **AMQ8551 WebSphere MQ namelist changed.**
| **Explanation:** WebSphere MQ namelist &5 changed.
| **User Response:** None.

| **AMQ8552 WebSphere MQ namelist created.**
| **Explanation:** WebSphere MQ namelist &5 created.
| **User Response:** None.

| **AMQ8553 WebSphere MQ namelist deleted.**
| **Explanation:** WebSphere MQ namelist &5 deleted.
| **User Response:** None.

| **AMQ8554 String List String Count Error.**
| **Explanation:** The number of strings within the
| stringlist is greater than the maximum number allowed
| for the keyword. Reduce the number of strings within
| the list and try the command again.
| **User Response:** None.

| **AMQ8555 String List String Length Error.**
| **Explanation:** A string in a string list assigned to a
| keyword is longer than the maximum permitted for
| that keyword.
| **User Response:** None.

| **AMQ8556 RESUME QUEUE MANAGER accepted.**
| **Explanation:** The RESUME QUEUE MANAGER
| command has been accepted for processing. The
| command will be sent to the repository which will
| process the command and notify all other repositories
| that this queue manager is now back in the cluster.
| **User Response:** None.

| **AMQ8557 SUSPEND QUEUE MANAGER
| accepted.**
| **Explanation:** The SUSPEND QUEUE MANAGER
| command has been accepted for processing. The
| command will be sent to the repository which will
| process the command and notify all other repositories
| that this queue manager is leaving the cluster.
| **User Response:** None.

| **AMQ8558 REFRESH CLUSTER accepted.**
| **Explanation:** The REFRESH CLUSTER command has
| been accepted for processing. The command will be
| sent to the Repository which will process the command
| and notify all other repositories that the Cluster needs
| refreshing.
| **User Response:** None.

| **AMQ8559 RESET CLUSTER accepted.**
| **Explanation:** The RESET CLUSTER command has
| been accepted for processing. The command will be
| sent to the Repository which will process the command
| and notify all other repositories that the Cluster needs
| resetting.
| **User Response:** None.

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AMQ8560 WebSphere MQ security cache refreshed.
Explanation: The Object Authority Manager security cache has been refreshed.
User Response: None.

AMQ8561 Domain controller unavailable.
Explanation: WebSphere MQ was unable to contact the domain controller to obtain information for user '&3'.
User Response: Ensure that a domain controller for the domain on which user '&3' is defined is available. Alternatively, if you are using a computer which is not currently connected to the network and have logged on using a domain user ID, you may wish to log on using a local user ID instead.

AMQ8561 MQSeries for Compaq NSK does not support this option.
Explanation: None.
User Response: None.

AMQ8562 Command line does not exist
Explanation: None.
User Response: None.

AMQ8563 WebSphere MQ authentication information object created.
Explanation: WebSphere MQ authentication information object &5 created.
User Response: None.

AMQ8564 WebSphere MQ authentication information object deleted.
Explanation: WebSphere MQ authentication information object &5 deleted.
User Response: None.

AMQ8565 Queue Status not found.
Explanation: Queue Status for the specified queue could not be found.
User Response: None.

AMQ8566 Display authentication information details.
Explanation: The MQSC DISPLAY AUTHINFO command completed successfully. Details follow this message.
User Response: None.

AMQ8567 WebSphere MQ authentication information changed.
Explanation: WebSphere MQ authentication information &5 changed.
User Response: None.

AMQ8601 WebSphere MQ trigger monitor started.
Explanation: The WebSphere MQ trigger monitor has been started.
User Response: None.

AMQ8602 WebSphere MQ trigger monitor ended.
Explanation: The WebSphere MQ trigger monitor has ended.
User Response: None.

AMQ8604 Use of WebSphere MQ trigger monitor not authorized.
Explanation: The trigger monitor cannot be run due to lack of authority to the requested queue manager or initiation queue.
User Response: Obtain the necessary authority from your security officer or WebSphere MQ administrator. Then try the command again.

AMQ8605 Queue manager not available to the WebSphere MQ trigger monitor
Explanation: The queue manager specified for the trigger monitor does not exist, or is not active.
User Response: Check that you named the correct queue manager. Ask your systems administrator to start it, if it is not active. Then try the command again.

AMQ8606 Insufficient storage available for the WebSphere MQ trigger monitor.
Explanation: There was insufficient storage available for the WebSphere MQ trigger monitor to run.
User Response: Free some storage and then try the command again.

AMQ8607 WebSphere MQ trigger monitor connection failed.
Explanation: The trigger monitor's connection to the requested queue manager failed because of MQI reason code &1 from MQCONN.
User Response: Consult your systems administrator about the state of the queue manager.

AMQ8608 WebSphere MQ trigger monitor connection broken.
Explanation: The connection to the queue manager failed while the trigger monitor was running. This may be caused by an endmqm command being issued by another user, or by a queue manager error.
User Response: Consult your systems administrator about the state of the queue manager.

AMQ8609 Initiation queue missing or wrong type
Explanation: The named initiation queue could not be found; or the queue type is not correct for an initiation queue.
User Response: Check that the named queue exists, and is a local queue, or that the named queue is an

| alias for a local queue which exists.

AMQ8610 Initiation queue in use

| **Explanation:** The WebSphere MQ trigger monitor could not open the initiation queue because the queue is open for exclusive use by another application.

| **User Response:** Wait until the queue is no longer in use, and try the command again.

AMQ8611 Initiation queue could not be opened.

| **Explanation:** The WebSphere MQ trigger monitor could not open the initiation queue; reason code &1 was returned from MQOPEN.

| **User Response:** Consult your systems administrator.

AMQ8612 Waiting for a trigger message

| **Explanation:** The WebSphere MQ trigger monitor is waiting for a message to arrive on the initiation queue.

| **User Response:** None.

AMQ8613 Initiation queue changed or deleted

| **Explanation:** The WebSphere MQ trigger monitor is unable to continue because the initiation queue has been deleted or changed since it was opened.

| **User Response:** Retry the command.

AMQ8614 Initiation queue not enabled for input.

| **Explanation:** The WebSphere MQ trigger monitor cannot read from the initiation queue because input is not enabled.

| **User Response:** Ask your systems administrator to enable the queue for input.

AMQ8615 WebSphere MQ trigger monitor failed to get message.

| **Explanation:** The WebSphere MQ trigger monitor failed because of MQI reason code &1 from MQGET.

| **User Response:** Consult your systems administrator.

AMQ8616 End of application trigger.

| **Explanation:** The action to trigger an application has been completed.

| **User Response:** None.

AMQ8617 Not a valid trigger message.

| **Explanation:** The WebSphere MQ trigger monitor received a message that is not recognized as a valid trigger message. It has been written to the undelivered message queue.

| **User Response:** Consult your systems administrator.

AMQ8618 Error starting triggered application.

| **Explanation:** An error was detected when trying to start the application identified in a trigger message.

| **User Response:** Check that the application the trigger monitor was trying to start is available.

AMQ8619 Application type &1 not supported.

| **Explanation:** A trigger message was received which specifies application type &1; the trigger monitor does not support this type.

| **User Response:** Use an alternative trigger monitor for this initiation queue.

AMQ8620 Trigger message with warning &1

| **Explanation:** The trigger monitor received a message with a warning. For example, it may have been truncated or it could not be converted to the trigger monitor's data representation. The reason code for the warning is &1.

| **User Response:** None.

AMQ8624 Starting Notes™ run agent request.

| **Explanation:** The Notes agent is about to be run.

| **User Response:** None.

AMQ8625 Notes run agent completed successfully.

| **Explanation:** The Notes agent ran successfully.

| **User Response:** None.

AMQ8626 Notes run agent request failed.

| **Explanation:** The Notes agent failed to run successfully.

| **User Response:** None.

AMQ8627 Start of redirected standard output from Notes agent.

| **Explanation:** The redirected standard output from the Notes agent follows this message.

| **User Response:** None.

AMQ8628 End of redirected standard output from Notes agent.

| **Explanation:** The redirected standard output from the Notes agent is complete.

| **User Response:** None.

AMQ8629 Error opening Notes database &3.

| **Explanation:** An error occurred opening the Notes database &3.

| **User Response:** Check that the Notes database exists and that its name is correctly specified.

AMQ8630 Notes agent not found.

| **Explanation:** The agent &3 was not found in the Notes database &4.

| **User Response:** Check that the agent exists in the Notes database and that its name is correctly specified.

AMQ8631 • AMQ8641

| **AMQ8631** Notes initialization was successful.
| **Explanation:** Notes was successfully initialized.
| **User Response:** None.

| **AMQ8632** Notes returned error &1: &3.
| **Explanation:** Notes run agent processing returned error &1: &3.
| **User Response:** None.

| **AMQ8634** Message Overflow file could not be
| created for queue &1
| **Explanation:** When attempting to create a file to hold
| a large message (a message larger than the message
| overflow threshold for the queue) the Queue Manager
| was unable to identify a unique filename for the file.
| This is probably caused by too many existing large
| messages for the queue, or for the queue manager as a
| whole if the default location for large message storage
| is being used.
| **User Response:** Use `altmqfls` to change the subvolume
| for large message storage for this Queue.

| **AMQ8635** A Queue Server has ended normally.
| **Explanation:** A Queue Server in CPU &1 has ended
| normally. The process was named &3.
| **User Response:** None.

| **AMQ8636** A Queue Server has ended with errors.
| **Explanation:** A Queue Server in CPU &1 has ended
| with errors. The process was named &3. The error
| return code reported by the Queue Server is &2. The
| Queue Server should be restarted automatically by the
| Queue Manager.
| **User Response:** Verify that the Queue Server has
| restarted correctly. Examine the Queue Manager FD
| subvolume for FFST files that may have been generated
| by the Queue Server. Use the process name to locate
| the relevant FFSTs. Attempt to reconstruct the chain of
| events or symptoms that lead to the failure and call
| your IBM Support Representative.

| **AMQ8637** A Queue Server has detected a CPU
| failure.
| **Explanation:** The Queue Server process &3 has
| detected that CPU &1 failed. If there were components
| of the Queue Manager that were running in this CPU,
| they will now no longer be available, and application
| connections and channels may be dropped. The Queue
| Manager should continue to be available to new
| connections and channels. Any Status Server and
| Queue Server processes that were running in that CPU
| will be replaced in other available CPUs.
| **User Response:** None normally necessary.
| Applications could experience the reason code
| `MQRC_CONNECTION_BROKEN` (2009) from MQI
| operations in progress that used agent processes
| running in the failed CPUs, but they should be able to
| immediately reconnect successfully.

| **AMQ8638** A Queue Server completed takeover
| processing.
| **Explanation:** The Queue Server process &3 has
| completed processing that was associated with a prior
| takeover from a failed primary Queue Server process,
| or the failure of the CPU that it was running in.
| Normal processing resumes after this point, and the
| Queue Server is again in a state where it is resilient to
| any single point of failure.
| **User Response:** None normally necessary. This
| message is logged to provide positive confirmation that
| the takeover is complete.

| **AMQ8639** A Queue Server processed expired
| messages.
| **Explanation:** The Queue Server process &3 detected
| and processed &1 messages that have expired.
| **User Response:** None normally necessary. This
| message is logged to provide information about the
| number of messages that expire for each Queue Server.
| If performance degradation is experienced for a
| particular Queue Server, verify that there are not an
| excessively large number of expired messages having to
| be processed by that Queue Server process.

| **AMQ8640** Signal delivery timeout expired for an
| MQGET.
| **Explanation:** The Queue Server process &3 failed to
| open and send a signal to the application process &4
| within the timeout allowed for signal delivery. The
| MQGET with the `MQGMO_SET_SIGNAL` option issued
| by the application has been cancelled by the Queue
| Server, but no notification can be delivered to the
| application.
| **User Response:** Manual intervention with the
| application may be necessary to ensure that it resumes
| normal processing. No further notification will be
| delivered to the application relating to the MQGET call
| that established the signal. The application can reopen
| the queue and reissue the MQGET call to recover from
| this situation.

| **AMQ8641** Signal delivery open error for an
| MQGET.
| **Explanation:** The Queue Server process &3 failed to
| open the application process &4 in order to deliver a
| signal IPC. The file system error number was &1. The
| MQGET with the `MQGMO_SET_SIGNAL` option issued
| by the application has been cancelled by the Queue
| Server, but no notification can be delivered to the
| application.
| **User Response:** Manual intervention with the
| application may be necessary to ensure that it resumes
| normal processing. No further notification will be
| delivered to the application relating to the MQGET call
| that established the signal. The application can reopen
| the queue and reissue the MQGET call to recover from
| this situation.

AMQ8642 Signal delivery error for an MQGET.
Explanation: The Queue Server process &3 failed to deliver a signal IPC to the application process &4. The file system error number was &1. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been cancelled by the Queue Server, but no notification can be delivered to the application.
User Response: Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can reopen the queue and reissue the MQGET call to recover from this situation.

AMQ8643 Signal delivery canceled for an MQGET.
Explanation: The Queue Server process &3 was required to terminate an MQGET with the MQGMO_SET_SIGNAL option before the specified Waitinterval expired but failed to open the application process &4 in order to deliver a signal IPC. The MQGET with the MQGMO_SET_SIGNAL option issued by the application has been cancelled by the Queue Server, but no notification can be delivered to the application.
User Response: Manual intervention with the application may be necessary to ensure that it resumes normal processing. No further notification will be delivered to the application relating to the MQGET call that established the signal. The application can reopen the queue and reissue the MQGET call to recover from this situation.

AMQ8644 Queue Server memory threshold exceeded.
Explanation: The Queue Server process &3 reached the threshold memory usage (&1 bytes) at which unused queues are eligible for unloading to disk.
User Response: Verify that the Queue Server is not overloaded with queues, or that messages are not building up unexpectedly on queues supported by the Queue Server.

AMQ8645 Memory usage for Queue Server now below threshold.
Explanation: The memory usage of Queue Server process &3 has now reduced to below the threshold (&1 bytes) at which unused queues are unloaded to disk.
User Response: None.

AMQ8646 NonStop TM/MP reports transactions disabled
Explanation: The Queue Server &3 has detected that the Compaq NonStop TM/MP has disabled transactions on the NSK system. The Queue Servers in the Queue Manager will no longer accept MQPUT or non-browse MQGET operations on Persistent messages,

or any syncpoint operation. Attempts to perform operations on persistent messages will be rejected with the reason code MQRC_SYNCPOINT_NOT_AVAILABLE.
User Response: NonStop TM/MP is a critical resource for MQSeries. Immediately determine the cause using system utilities and rectify.

AMQ8647 NonStop TM/MP reports transactions enabled
Explanation: The Queue Server &3 has detected that the Compaq NonStop TM/MP transactions are enabled on the NSK system.
User Response: No action is normally necessary. If transactions were previously disabled, this message indicates that the system has returned to normal operation.

AMQ8648 A Queue Server has started
Explanation: A Queue Server in CPU &1 has started. The process is named &3.
User Response: None.

AMQ8708 Dead-letter queue handler started to process INPUTQ(&3).
Explanation: The dead-letter queue handler (runmqdlq) has been started and has parsed the input file without detecting any errors and is about to start processing the queue identified in the message.
User Response: None.

AMQ8709 Dead-letter queue handler ending.
Explanation: The dead-letter queue handler (runmqdlq) is ending because the WAIT interval has expired and there are no messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler has detected an error. If the dead-letter queue handler has detected an error, an earlier message will have identified the error.
User Response: None.

AMQ8721 Dead-letter queue message not prefixed by a valid MQDLH.
Explanation: The dead-letter queue handler (runmqdlq) retrieved a message from the nominated dead-letter queue, but the message was not prefixed by a recognizable MQDLH. This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH. The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue. Each time the dead-letter queue handler repositions itself to a position before this message to process messages that could not be processed on a previous scan it will reprocess the failing message and will consequently reissue this message.

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User Response: Remove the invalid message from the dead-letter queue. Do not write messages to the dead-letter queue unless they have been prefixed by a valid MQDLH. If you require a dead-letter queue handler that can process messages not prefixed by a valid MQDLH, you must change the sample program called amqsdllq to cater for your needs.

AMQ8722 Dead-letter queue handler unable to put message: Rule &1 Reason = &2.

Explanation: This message is produced by the dead-letter queue handler when it is requested to redirect a message to another queue but is unable to do so. If the reason that the redirect fails is the same as the reason the message was put to the dead-letter queue then it is assumed that no new error has occurred and no message is produced. The retry count for the message will be incremented and the dead-letter queue handler will continue.

User Response: Investigate why the dead-letter queue handler was unable to put the message to the dead-letter queue. The line number of the rule used to determine the action for the message should be used to help identify to which queue the dead-letter queue handler attempted to PUT the message.

AMQ8741 Unable to connect to queue manager.

Explanation: The dead-letter queue handler (runmqdlq) could not connect to queue manager &3. This message is typically issued when the requested queue manager has not been started or is quiescing, or if the process does not have sufficient authority. The completion code (&1) and the reason (&2) can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8742 Unable to open queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the queue manager object. This message is typically issued because of a resource shortage or because the process does not have sufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8743 Unable to inquire on queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not inquire on the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon

the completion code and reason.

AMQ8744 Unable to close queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8745 Unable to open dead-letter queue for browse.

Explanation: The dead-letter queue handler (runmqdlq) could not open the dead-letter queue &3 for browsing. This message is typically issued because another process has opened the dead-letter queue for exclusive access, or because an invalid dead-letter queue name was specified. Other possible reasons include resource shortages or insufficient authority. The completion code (&1) and the reason (&2) can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8746 Unable to close dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the dead-letter queue. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8747 Integer parameter outside permissible range.

Explanation: The integer parameter (&2) supplied to the dead-letter handler was outside of the valid range for &3 on line &1.

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8748 Unable to get message from dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue. This message is typically issued because of the queue manager ending, a resource problem, or another process having deleted the dead-letter queue. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon

the completion code and reason.

AMQ8749 Unable to commit/backout action on dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) was unable to commit or backout an update to the dead-letter queue. This message is typically issued because of the queue manager ending, or because of a resource shortage. If the queue manager has ended, the update to the dead-letter queue (and any associated updates) will be backed out when the queue manager restarts. If the problem was due to a resource problem then the updates will be backed out when the dead-letter queue handler terminates. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Take appropriate action based upon the completion code and reason.

AMQ8750 No valid input provided to runmqdlq.

Explanation: Either no input was provided to runmqdlq, or the input to runmqdlq contained no valid message templates. If input was provided to runmqdlq but was found to be invalid, earlier messages will have been produced explaining the cause of the error. The dead-letter queue handler ends.

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8751 Unable to obtain private storage.

Explanation: The dead-letter queue handler (runmqdlq) was unable to obtain private storage. This problem would typically arise as a result of some more global problem. For example if there is a persistent problem that is causing messages to be written to the DLQ and the same problem (for example queue full) is preventing the dead-letter queue handler from taking the requested action with the message, it is necessary for the dead-letter queue handler to maintain a large amount of state data to remember the retry counts associated with each message, or if the dead-letter queue contains a large number of messages and the rules table has directed the dead-letter queue handler to ignore the messages.

User Response: Investigate if some more global problem exists, and if the dead-letter queue contains a large number of messages. If the problem persists contact your support center.

AMQ8752 Parameter (&3) exceeds maximum length on line &1.

Explanation: A parameter supplied as input to the dead-letter handler exceeded the maximum length for parameters of that type.

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8753 Duplicate parameter (&3) found on line &1.

Explanation: Two or more parameters of the same type were supplied on a single input line to the dead-letter queue handler.

User Response: Correct the input and restart the dead-letter queue handler.

AMQ8756 Error detected releasing private storage.

Explanation: The dead-letter queue handler (runmqdlq) was informed of an error while attempting to release an area of private storage. The dead-letter queue handler ends.

User Response: This message should be preceded by a message or FFST information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ8757 Integer parameter (&3) outside permissible range on line &1.

Explanation: An integer supplied as input to the dead-letter handler was outside of the valid range of integers supported by the dead-letter queue handler.

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8758 &1 errors detected in input to runmqdlq.

Explanation: One or more errors have been detected in the input to the dead-letter queue handler (runmqdlq). Error messages will have been generated for each of these errors. The dead-letter queue handler ends.

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8759 Invalid combination of parameters to dead-letter queue handler on line &1.

Explanation: An invalid combination of input parameters has been supplied to the dead-letter queue handler. Possible causes are: no ACTION specified, ACTION(FWD) but no FWDQ specified, HEADER(YES|NO) specified without ACTION(FWD).

User Response: Correct the input data and restart the dead-letter queue handler.

AMQ8760 Unexpected failure while initializing process: Reason = &1.

Explanation: The dead-letter queue handler (runmqdlq) could not perform basic initialization required to use MQ services because of an unforeseen error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8761 Unexpected failure while connecting to queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not connect to the requested queue manager because of an unforeseen error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8762 Unexpected error while attempting to open queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8763 Unexpected error while inquiring on queue manager: CompCode = &1 Reason = &2.

Explanation: The dead letter queue handler (runmqdlq) could not inquire on the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8764 Unexpected error while attempting to close queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8765 Unexpected failure while opening dead-letter queue for browse: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the dead-letter queue for browsing because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8766 Unexpected error while closing dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8767 Unexpected error while getting message from dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8768 Unexpected error committing/backing out action on dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) was unable to either commit or backout an update to the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User Response: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

| **AMQ8769** **Unable to disconnect from queue**
| **manager: CompCode = &1 Reason = &2.**
| **Explanation:** The dead-letter queue handler
| (runmqdlq) was unable to disconnect from the queue
| manager because of an unexpected error. The
| completion code and the reason can be used to identify
| the error. The dead-letter queue handler ends.
| **User Response:** Use the standard facilities supplied
| with your system to record the problem identifier and
| to save the generated output files. Contact your
| support center. Do not discard these files until the
| problem has been resolved.

Chapter 7. AMQ9000-AMQ9999 Remote messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ9001 Channel program ended normally.

Explanation: Channel program '&3' ended normally.

User Response: None.

AMQ9002 Channel program started.

Explanation: Channel program '&3' started.

User Response: None.

AMQ9181 The response set by the exit is not valid.

Explanation: The user exit '&3' returned a response code '&1' that is not valid in the ExitResponse field of the channel exit parameters (MQCXP). Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a response code that is not valid.

AMQ9182 The secondary response set by the exit is not valid.

Explanation: The user exit '&3' returned a secondary response code '&1' in the ExitResponse2 field of the channel exit parameters (MQCXP) that is not valid. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a secondary response code that is not valid.

AMQ9184 The exit buffer address set by the exit is not valid.

Explanation: The user exit '&3' returned an address '&1' for the exit buffer that is not valid, when the secondary response code in the ExitResponse2 field of the channel exit parameters (MQCXP) is set to MQXR2_USE_EXIT_BUFFER. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set an exit buffer address that is not valid. The most likely cause is the failure to set a value, so that the value is 0.

AMQ9185 The exit space set by the exit is not valid.

Explanation: The user exit '&3' returned an exit space value '&1' that is not valid in the ExitSpace field of the channel exit parameters (MQCXP). Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set an exit space value that is not valid. Correct the error.

AMQ9186 Too much exit space reserved by send exits.

Explanation: At exit initialization the send exits in the send exit chain for channel &3 returned values in the ExitSpace field of the channel exit parameters (MQCXP). The total of these ExitSpace values is &1. The maximum number of bytes that can be sent in a single transmission is &2. Room must be left for at least 1024 bytes of message data in each transmission. So too much exit space has been reserved by the send exits. The channel stops.

User Response: Investigate why the send exit programs set exit space values that are too large. Correct the error.

AMQ9189 The data length set by the exit is not valid.

Explanation: The user exit '&3' returned a data length value '&1' that was not greater than zero. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a data length that is not valid.

AMQ9190 Channel stopping because of an error in the exit.

Explanation: The user exit '&3', invoked for channel '&4' with id '&1' and reason '&2', returned values that are not valid, as reported in the preceding messages. The channel stops.

User Response: Investigate why the user exit program

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set values that are not valid.

AMQ9195 Data length larger than maximum segment length.

Explanation: The data length '&1' set by send exit '&3' is larger than the maximum segment length (&2). The maximum segment length is the maximum number of bytes that can be sent in a single transmission minus the user exit space required by all the send exits subsequent to the current one in the send exit chain. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a data length that is not valid. Correct the error.

AMQ9196 Data length is larger than the agent buffer length.

Explanation: The data length '&1' set by exit '&3' is larger than the agent buffer length. The user exit returned data in the supplied agent buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a data length that is not valid. Correct the error.

AMQ9197 Data length is larger than the exit buffer length.

Explanation: The data length '&1' set by exit '&3' is larger than the exit buffer length. The user exit returned data in the supplied exit buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.

User Response: Investigate why the user exit program set a data length that is not valid.

AMQ9201 Allocate failed to host '&3'.

Explanation: The attempt to allocate a conversation using &4 to host &3 was not successful.

User Response: The error may be due to an incorrect entry in the &4 parameters contained in the channel definition to host &3. Correct the error and try again. If the error persists, record the error values and contact your systems administrator. The return code from the &4&5 call was &1 (X'&2'). It may be possible that the listening program at host &3 is not running. If this is the case, perform the relevant operations to start the listening program for protocol &4 and try again.

AMQ9202 Remote host '&3' not available, retry later.

Explanation: The attempt to allocate a conversation using &4 to host '&3' was not successful. However the error may be a transitory one and it may be possible to successfully allocate a &4 conversation later.

User Response: Try the connection again later. If the failure persists, record the error values and contact

your systems administrator. The return code from &4 is &1 (X'&2'). The reason for the failure may be that this host cannot reach the destination host. It may also be possible that the listening program at host '&3' was not running. If this is the case, perform the relevant operations to start the &4 listening program, and try again.

AMQ9203 A configuration error for &4 occurred.

Explanation: Error in configuration for communications to host &3. Allocation of a &4 conversation to host &3 was not possible.

User Response: The configuration error may be one of the following:

1. If the communications protocol is LU 6.2, it may be that one of the transmission parameters (Mode, or TP Name) is incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host &3. The TP name on &3 should be defined.
2. If the communications protocol is LU 6.2, it may be that an LU 6.2 session has not been established. Contact your systems administrator.
3. If the communications protocol is TCP/IP, it may be that the host name specified is incorrect. Correct the error and try again.
4. If the communications protocol is TCP/IP, it may be that the host name specified cannot be resolved to a network address. The host name may not be in the nameserver. The return code from the &4&5 call was &1 (X'&2'). Record the error values and tell the system administrator.

AMQ9204 Connection to host &3 rejected.

Explanation: Connection to host &3 over &4 was rejected.

User Response: The remote system may not be configured to allow connections from this host. Check the &4 listener program has been started on host &3. If the conversation uses LU 6.2, it is possible that either the User ID or Password supplied to the remote host is incorrect.

If the conversation uses TCP/IP, it is possible that the remote host does not recognize the local host as a valid host.

The return code from the &4&5 call was &1 (X'&2'). Record the error values and tell the systems administrator.

AMQ9205 The host name supplied is not valid.

Explanation: The supplied &4 host name '&3' could not be resolved into a network address. Either the name server does not contain the host, or the name server was not available.

User Response: Check the &4 configuration on your host.

AMQ9206 Error sending data to host &3.
Explanation: An error occurred sending data over &4 to &3. This may be due to a communications failure.
User Response: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell your systems administrator.

AMQ9207 The data received from host '&3' is not valid.
Explanation: Incorrect data format received from host '&3' over &4. It may be that an unknown host is attempting to send data. An FFST file has been generated containing the invalid data received.
User Response: Tell the systems administrator.

AMQ9208 Error on receive from host &3.
Explanation: An error occurred receiving data from &3 over &4. This may be due to a communications failure.
User Response: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator.

AMQ9209 Connection to host '&3' closed.
Explanation: An error occurred receiving data from '&3' over &4. The connection to the remote host has unexpectedly terminated.
User Response: Tell the systems administrator.

AMQ9210 Remote attachment failed.
Explanation: There was an incoming attachment from a remote host, but the local host could not complete the bind.
User Response: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator who should check the &4 configuration.

AMQ9211 Error allocating storage.
Explanation: The program was unable to obtain enough storage.
User Response: Stop some programs which are using storage and retry the operation. If the problem persists contact your systems administrator.

AMQ9212 A TCP/IP socket could not be allocated.
Explanation: A TCP/IP socket could not be created, possibly because of a storage problem.
User Response: The return code from the &4&5 call was &1 (X'&2'). Try the program again. If the failure persists, record the error values and tell the systems administrator.

AMQ9213 A communications error for &4 occurred.
Explanation: An unexpected error occurred in communications.
User Response: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator.

AMQ9214 Attempt to use an unsupported communications protocol.
Explanation: An attempt was made to use an unsupported communications protocol type &2.
User Response: Check the channel definition file. It may be that the communications protocol entered is not a currently supported one.

AMQ9215 Communications subsystem unavailable.
Explanation: An attempt was made to use the communications subsystem, but it has not been started.
User Response: Start the communications subsystem, and rerun the program.

AMQ9217 The TCP/IP listener program could not be started.
Explanation: An attempt was made to start a new instance of the listener program, but the program was rejected.
User Response: The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the listener program later).

AMQ9218 The &4 listener program could not bind to port number &1.
Explanation: An attempt to bind the &4 socket to the listener port was unsuccessful.
User Response: The failure could be due to another program using the same port number. The return code from the '&3' call for port &5&1 was &2. Record these values and tell the systems administrator.

AMQ9219 The TCP/IP listener program could not create a new connection for the incoming conversation.
Explanation: An attempt was made to create a new socket because an attach request was received, but an error occurred.
User Response: The failure may be transitory, try again later. If the problem persists, record the return code &1 and tell the systems administrator. It may be necessary to free some jobs, or restart the communications system.

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AMQ9220 The &4 communications program could not be loaded.

Explanation: The attempt to load the &4 library or procedure '&3' failed with error code &1.

User Response: Either the library must be installed on the system or the environment changed to allow the program to locate it.

AMQ9221 Unsupported protocol was specified.

Explanation: The specified value of '&3' was not recognized as one of the protocols supported.

User Response: Correct the parameter and retry the operation.

AMQ9222 Cannot find the configuration file.

Explanation: The configuration file '&3' cannot be found. This file contains default definitions for communication parameters. Default values will be used.

User Response: None.

AMQ9223 Enter a protocol type.

Explanation: The operation you are performing requires that you enter the type of protocol.

User Response: Add the protocol parameter and retry the operation.

AMQ9224 Unexpected token detected.

Explanation: On line &1 of the INI file, keyword '&3' was read when a keyword was expected.

User Response: Correct the file and retry the operation.

AMQ9224 Unexpected token detected.

Explanation: Keyword '&3' was read when a keyword was expected.

User Response: Correct the configuration data and retry the operation.

AMQ9225 File syntax error.

Explanation: A syntax error was detected on line &1 while processing the INI file.

User Response: Correct the problem and retry the operation.

AMQ9225 File syntax error.

Explanation: A syntax error was detected while processing the configuration data.

User Response: Correct the problem and retry the operation.

AMQ9227 &3 local host name not provided.

Explanation: A name is required for the &3 process to register with the network.

User Response: Add a local name to the configuration file and retry the operation.

AMQ9228 The &4 responder program could not be started.

Explanation: An attempt was made to start an instance of the responder program, but the program was rejected.

User Response: The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the responder program later). The &5 reason code was &1.

AMQ9229 The application has been ended.

Explanation: You have issued a request to end the application.

User Response: None.

AMQ9230 An unexpected &4 event occurred.

Explanation: During the processing of network events, an unexpected event &1 occurred.

User Response: None.

AMQ9231 The supplied parameter is not valid.

Explanation: The value of the &4 &5 parameter has the value '&3'. This value has either not been specified or has been specified incorrectly.

User Response: Check value of the &5 parameter and correct it if necessary. If the fault persists, record the return code (&1,&2) and &4 and tell the systems administrator.

AMQ9232 No &3 specified

Explanation: The operation requires the specification of the &3 field.

User Response: Specify the &3 and retry the operation.

AMQ9233 Error creating &3 thread.

Explanation: The process attempted to create a new thread. The most likely cause of this problem is a shortage of an operating system resource (for example: memory). Use any previous FFSTs to determine the reason for the failure. The WebSphere MQ internal return code describing the reason for the failure is &1.

User Response: Contact the systems administrator. If the problem persists contact your IBM support center.

AMQ9235 The supplied Local LU was invalid.

Explanation: The &4 Local LU name '&3' was invalid.

User Response: Either the Local LU name was entered incorrectly or it was not in the &4 communications configuration. Correct the error and try again.

AMQ9236 The supplied Partner LU was invalid.

Explanation: The &4 Partner LU name '&3' was invalid.

User Response: Either the Partner LU name was entered incorrectly or it was not in the &4 communications configuration. Correct the error and try again.

AMQ9237 A configuration error for &4 occurred.

Explanation: Allocation of a &4 conversation to host '&3' was not possible. The configuration error may be one of the following:

1. It may be that one of the transmission parameters (Mode, or TP Name) was incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host &3. The TP name on &3 should be defined.

2. It may be that an LU 6.2 session has not been established. Contact your systems administrator. The return code from &4 is &1 with associated &5 &2.
User Response: Record the error values and tell the system administrator.

AMQ9238 A communications error for &4 occurred.

Explanation: An unexpected error occurred in communications.

User Response: The return code from the &4&3 call was &1 with associated &5 &2.

AMQ9239 Usage: &3 [-m QMgrName] -n TpName -g Gateway-name

Explanation: Values passed to the listener program were invalid. The parameter string passed to this program is as follows, default values being used for parameters not supplied: [-m QMgrName] -n TpName -g Gateway-name

User Response: Correct the parameters passed to the listener program and retry the operation.

AMQ9240 An SPX socket was already in use.

Explanation: The Listener received return code &1 when attempting to open socket &2.

User Response: The specified socket is already in use by another process. To use another socket specify another socket on the command line to RUNMQLSR or update the default in the qm.ini file.

AMQ9240 An SPX socket was already in use.

Explanation: The listener received return code &1 when attempting to open socket &2.

User Response: The specified socket is already in use by another process. To use another socket, specify a different socket on the command line to the runmqlsr command, or update the default in the configuration data.

AMQ9241 SPX is not available.

Explanation: WebSphere MQ received return code &1 when attempting to start SPX communications.

User Response: Ensure that IPX/SPX support is installed on the machine and that it is started before trying to start a WebSphere MQ SPX channel.

AMQ9242 SPX resource problem.

Explanation: WebSphere MQ received return code &1 when attempting to start SPX communications, indicating a resource problem.

User Response: Ensure that sufficient IPX/SPX resources are available before commencing communications over IPX/SPX.

AMQ9243 The queue manager '&3' does not exist.

Explanation: You tried to perform an action against a queue manager that does not exist. You may have specified the wrong queue manager name.

User Response: If you specified the wrong name, correct the name and submit the command again. If the queue manager does not exist, create the queue manager and submit the command again.

AMQ9244 The default queue manager does not exist.

Explanation: You tried to perform an action against a queue manager that does not exist.

User Response: Create the default queue manager and submit the command again.

AMQ9245 Unable to obtain account details for channel MCA user ID.

Explanation: WebSphere MQ was unable to obtain the account details for MCA user ID '&3'. This user ID was the MCA user ID for channel '&4' on queue manager '&5' and may have been defined in the channel definition, or supplied either by a channel exit or by a client.

User Response: Ensure that the user ID is correct and that it is defined on the Windows local system, the local domain or on a trusted domain. For a domain user ID, ensure that all necessary domain controllers are available.

AMQ9246 The TCP/IP listener on port &1 could not start a new channel.

Explanation: An attempt has been made to connect to the queue manager by starting a new channel within the TCP/IP listener which is listening on port &1. The maximum socket number which can be used by a channel running on this listener is &2. A socket number beyond this maximum was allocated for the new channel. This connection attempt has been rejected, but the listener continues to listen for further connection requests. The socket number allocated for a new listener channel is related to the number of channels currently running within that listener process. The

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problem has arisen because too many channels are directed at the port on which this listener is listening.

User Response: An extra listener process should be started to listen on a different port. Some of the channels to the queue manager should be redirected from the port on which the existing listener is listening to the new port.

AMQ9247 SSPI Security: bad return from SSPI call.

Explanation: Channel &3 has been closed because the SSPI channel exit received a bad return code from SSPI.

User Response: Consult the appropriate SSPI manuals to find out the meaning of status &4 on call &5, and correct the error.

AMQ9248 The program could not bind to a &3 socket.

Explanation: The attempt to bind to socket '&4' failed with return code &1. The failing &3 call was '&5'. The most likely cause of this problem is incorrect configuration of the &3 local address or incorrect start and end port parameters.

User Response: Contact the system administrator. If the problem persists contact your IBM support center.

AMQ9255 Listener already running.

Explanation: The request to start the WebSphere MQ listener failed because there is already a listener running against the specified network resources.

User Response: None.

AMQ9301 An SNA communications error occurred.

Explanation: An unexpected error occurred in communications.

User Response: The reply return code from the SNAX/ICE &3 request was &1 in the &4 header. The detail return code was &2.

AMQ9302 The TCP Listener &3 in Queue Manager &4 cannot find an available port.

Explanation: The TCP Listener has tried all the ports that are configured in the QMINI file for this Queue Manager, and none were available for listening on. The TCP Listener has now terminated. The TCP Listener is either not needed (because there are already TCP Listeners running on all the Queue Manager ports), or there is a configuration problem with the Queue Manager.

User Response: Review the QMINI file TCP/IP Listener stanzas to determine if there is a configuration problem. The ports numbers themselves may be incorrect, or overlap with the ports being used by other Queue Managers on the same system, or with other services.

AMQ9401 Channel '&3' autodefined.

Explanation: Channel '&3' which did not previously exist has been autodefined.

User Response: None.

AMQ9402 Autodefinition exit for Channel '&3' failed to load.

Explanation: Autodefinition of Channel '&3' failed because '&4' would not load.

User Response: Ensure that the user exit is specified correctly in the queue manager definition, and that the user exit program is correct and available.

AMQ9403 Autodefinition of Channel '&3' suppressed by user exit.

Explanation: Autodefinition exit '&4' for Channel '&3' returned a failure code.

User Response: None.

AMQ9404 REFRESH CLUSTER REPOS(YES) command processed, cluster &4, &1 objects changed.

Explanation: The queue manager successfully processed a REFRESH CLUSTER command with the REPOS(YES) option for the indicated cluster.

User Response: None.

AMQ9405 FORCEREMOVE QUEUES(YES) command processed, cluster &3 target &4.

Explanation: The repository queue manager successfully processed a RESET ACTION(FORCEREMOVE) command with the QUEUES(YES) option for the indicated cluster and target queue manager.

User Response: None.

AMQ9406 REFRESH CLUSTER REPOS(YES) command failed, this queue manager is a full repository for cluster &4.

Explanation: The repository queue manager could not process a REFRESH CLUSTER command with the REPOS(YES) option for the indicated cluster, because the local queue manager provides full repository management services for the cluster. The command is ignored.

User Response: Either

- Reissue the command without REPOS(YES), or
- Issue the command on a queue manager which is not a full repository, or
- Change this queue manager definition so that it is not a full repository.

AMQ9407 Cluster queue &3 is defined inconsistently.

Explanation: The definition of cluster queue &3 on the queue manager with UUID &4 has different DEFPRTY, DEFPSIST and DEFBIND values from the definition of the same cluster queue on the queue manager with UUID &5. Both definitions now exist in the local repository. All definitions of the same cluster queue should be identical. In particular, problems arise if your applications rely on a queue default value which is defined inconsistently to determine messaging behavior. This applies, for example, if the applications open a cluster queue with option MQOO_BIND_AS_Q_DEF. If different instances of the queue have different DEFBIND values the behavior of the message transfer differs depending on which instance of the queue is selected when it is opened. In general the instance selected varies across opens.

User Response: For each inconsistency decide which of the values is the correct one. Alter the definitions of cluster queue &3 so that all definitions have correct DEFPRTY, DEFPSIST and DEFBIND values.

AMQ9408 BIND_ON_OPEN messages for channel &3 to dead-letter queue.

Explanation: The remote CLUSRCVR for channel &3 was deleted while undelivered BIND_ON_OPEN messages associated with that channel existed on the local SYSTEM.CLUSTER.TRANSMIT.QUEUE. These messages could not be allocated to another channel because they were put BIND_ON_OPEN, but were very unlikely to ever flow along the channel with which they were associated as this has now been deleted. An attempt has therefore been made to move them from the transmission queue to the local dead-letter queue. The MQDLH reason is MQFB_BIND_OPEN_CLUSRCVR_DEL. Note that any internal WebSphere MQ Clustering messages for the deleted channel will also have been removed from the SYSTEM.CLUSTER.TRANSMIT.QUEUE (these are discarded) so the current depth of the queue may have decreased by more than the number of user messages moved to the dead-letter queue.

User Response: Examine the contents of the dead-letter queue. Each message is contained in an MQDLH structure that includes the reason why it was written and where it was originally addressed. Also look at previous error messages to see if the attempt to put messages to the dead-letter queue failed.

AMQ9409 Repository manager ended abnormally.

Explanation: The repository manager ended abnormally.

User Response: Look at previous error messages for the repository manager in the error files to determine the cause of the failure.

AMQ9410 Repository manager started

Explanation: The repository manager started successfully.

User Response: None.

AMQ9411 Repository manager ended normally.

Explanation: The repository manager ended normally.

User Response: None.

AMQ9412 Repository command received for '&3'.

Explanation: The repository manager received a command intended for some other queue manager, whose identifier is '&3'. The command was sent by the queue manager with identifier '&4'.

User Response: Check the channel and cluster definitions of the sending queue manager.

AMQ9413 Repository command format error, command code &1

Explanation: An internal error has occurred.

User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9415 Repository command unexpected, command code &1, cluster object &3, sender &4

Explanation: An internal error has occurred.

User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9416 Repository command processing error, RC=&2, command code &1, cluster object &3, sender &4.

Explanation: An internal error has occurred.

User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9417 Manually defined CLUSSDR channels have been forcibly removed.

Explanation: The administrator has asked for the queue manager '&3' to be deleted, or forcibly removed, but has not yet deleted the manually defined CLUSSDR channels to '&3'. The auto-defined channels to '&3' have been deleted, but '&3' continues to receive updates until the manually defined CLUSSDR channels have been deleted.

User Response: Delete the manually defined CLUSSDR channels to '&3'.

AMQ9418 Only one repository for cluster &3.

Explanation: The queue manager has received information about a cluster for which it is the only repository.

User Response: Alter the REPOS or REPOSNL attribute of the queue manager, that is to have the second full repository for the cluster, to specify the cluster name.

AMQ9419 No cluster-receiver channels for cluster '&3'

Explanation: The repository manager has received information about a cluster for which no cluster-receiver channels are known.

User Response: Define cluster-receiver channels for the cluster on the local queue manager.

AMQ9420 No repositories for cluster &3.

Explanation: The queue manager has received information about a cluster for which no repositories are known.

User Response: Alter the REPOS or REPOSNL attribute of the queue manager, that is to have a full repository for the cluster, to specify the cluster name.

AMQ9421 Invalid cluster record action code detected

Explanation: An invalid record was read from the SYSTEM.CLUSTER.REPOSITORY.QUEUE. An FFST record has been generated containing the invalid record.

User Response: Collect the items listed in the Problem Determination section of the System Administration manual and contact your IBM support center.

AMQ9422 Repository manager error, RC=&1

Explanation: An internal error has occurred.

User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9425 An internal error has occurred.

Explanation: Repository command merge error, command code &1, cluster object &3, sender &4

User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9426 Repository command recipient unknown.

Explanation: The repository manager tried to send a command to another queue manager using channel &4. The recipient queue manager, whose identifier is &3, could not be found. Command code &1.

User Response: Check the channel and cluster

definitions of the sending and receiving queue managers.

AMQ9427 CLUSSDR channel does not point to a repository queue manager.

Explanation: A CLUSSDR channel must point to a queue manager that hosts repositories for all clusters of which the channel is a member. In addition, the CLUSRCVR for the channel must be a member of all the same clusters as the CLUSSDR channel. The queue manager pointed to by CLUSSDR channel &3 does not meet these criteria for cluster &4. The remote queue manager has a QMID of &5.

User Response: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a queue manager that hosts a repository for the cluster, and that the CLUSRCVR for the channel is a member of the cluster.

AMQ9428 Unexpected publication of a cluster queue object received.

Explanation: The local queue manager has received a publication of a cluster queue object from a remote queue manager on cluster &3. The local queue manager discards the request because it does not host a repository for cluster &3 and has not subscribed to the published object. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User Response: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9429 Unexpected publication of a cluster queue deletion received.

Explanation: The local queue manager has received a publication of a cluster queue deletion from a remote queue manager on cluster &3. The local queue manager discards the request because it does not host a repository for cluster &3 and has not subscribed to the published object. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User Response: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9430 Unexpected cluster queue manager publication received.

Explanation: The local queue manager has received a cluster queue manager publication on cluster &3. The local queue manager should not have received the publication because it does not host a repository for cluster &3, it has not subscribed to information concerning the published object, and the published

object does not match any of its CLUSSDRs. The queue manager that sent the publication to the local queue manager has QMID &4 (note that this is not necessarily the queue manager which originated the publication). CLUSSDR channel &5 was used to send the publication.

User Response: Check the CLUSSDR definition on the sending queue manager to ensure that it points to a repository queue manager for the cluster.

AMQ9431 Remote queue manager no longer hosts a repository for cluster

Explanation: The local queue manager has received a message from remote queue manager QMID &3 indicating that it no longer hosts a repository for cluster &4. CLUSSDR channel &5 is altered so that it can no longer be used to access queue manager &3 within cluster &4. If the local queue manager does not host a repository for cluster &4 the relevant subscriptions and publications are remade if possible.

User Response: None.

AMQ9432 Query received by a non-repository queue manager

Explanation: The local queue manager has received a query from a remote queue manager on cluster &3. The local queue manager discards the query because it does not host a repository for cluster &3. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User Response: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9433 CLUSRCVR must be in the same cluster as its matching CLUSSDR.

Explanation: CLUSRCVR channel &3 is not defined as a member of cluster &4. The local queue manager has received a command that indicates that CLUSSDR channel &3 on the remote queue manager with QMID &5 is defined as a member of cluster &4.

User Response: Alter the CLUSRCVR or CLUSSDR definitions for channel &3, so that they are both members of the same cluster.

AMQ9434 Unrecognized message on &3.

Explanation: The repository manager found a message on one of its queues having, either a format that could not be recognized, or that did not come from a queue manager or repository manager. The message was put on the dead-letter queue.

User Response: Examine the message on the dead-letter queue to determine the originator of the message.

AMQ9435 Unable to put repository manager message.

Explanation: The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on another queue manager whose identifier is &3, but the MQPUT call was unsuccessful. MQCC=&1, MQRC=&2.

Processing continues, but the repository information may be out of date.

User Response: Refer to the Application Programming Reference manual for information about MQCC &1 and MQRC &2. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running. When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to ensure that the repository information is up to date.

AMQ9436 Unable to send repository manager message.

Explanation: The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on a queue manager that has the full repository for the specified cluster (&3), but the MQPUT call was unsuccessful. MQCC=&1, MQRC=&2. Processing continues, but repository information may be out of date.

User Response: Refer to the Application Programming Reference manual for information about MQCC &1 and MQRC &2. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running. When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to ensure that the repository information is up to date.

AMQ9437 Unable to commit repository changes.

Explanation: The repository manager tried to commit some updates to the repository but was unsuccessful. Processing continues, but repository information may be out of date.

User Response: If this occurs when the repository manager is stopping, this message can be ignored, because the repository information will normally be updated automatically when the repository manager is restarted. If there is an isolated occurrence at other times, use the REFRESH CLUSTER command to bring the repository information up to date. If the problem persists, contact your IBM support center for assistance.

AMQ9438 CONNAME could not be discovered for CLUSRCVR &3.

Explanation: TCP/IP CLUSRCVR &3 was validly specified with a blank or absent CONNAME parameter. However when the repository process, amqrrmfa, attempted to obtain the CONNAME (IP address) for itself it was unable to. If there is an existing matching

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| CLUSRCVR object in the cache its CONNAME is used.
| The CONNAME used was &4.
| **User Response:** Check the error log for a message
| arising from an associated TCP/IP call (gethostname,
| gethostbyname or inet_ntoa). Pass all the error
| information to your systems administrator.

AMQ9439 Repository corruption: bad CLQMGR object for channel &3.

Explanation: An internal error has occurred.
User Response: Collect the items listed in the
'Problem determination' chapter in the System
Administration guide and contact your IBM support
center.

| **AMQ9440 Reset command failed.**
| **Explanation:** Reset Cluster(&3) Qmname(&4)
| command failed. To issue this command, queue
| manager &5 must be a repository for cluster &3. Alter
| the queue manager attributes Repos, or Reposnl, to
| include cluster &3 and retry the command.
| **User Response:** None.

| **AMQ9441 Reset command processed.**
| **Explanation:** The reset Cluster(&3) Qmname(&4)
| command has processed on this repository and &1
| other queue managers have been sent notification.
| **User Response:** None.

| **AMQ9442 Refresh Cluster command processed.**
| **Explanation:** The Refresh Cluster(&4) command
| caused &1 objects to be refreshed and &2 objects to be
| republished.
| **User Response:** None.

| **AMQ9443 Suspend Qmgr Cluster command
| processed.**
| **Explanation:** The Suspend Qmgr Cluster command
| completed. &1 objects suspended. In the case of a name
| list the cluster name is the first name in the list.
| **User Response:** None.

| **AMQ9444 Resume Qmgr Cluster command
| processed.**
| **Explanation:** The Resume Qmgr Cluster(&4)
| command completed. &1 objects resumed. In the case
| of a name list the cluster name is the first name in the
| list.
| **User Response:** None.

AMQ9445 Error creating channel &3.
Explanation: Channel &4 tried to replace itself by
creating channel &3. The attempt to create the channel
was unsuccessful for the following reason: "&5". A
previous message may give further information.
User Response: Rectify the problem which prevented
successful creation of channel &3. Restart channel &4.

AMQ9446 Error deleting channel &3.
Explanation: Channel &3 tried to delete itself after
creating channel &4 to replace it. The attempt to delete
the channel was unsuccessful for the following reason:
"&5".

User Response: If channel &3 still exists rectify the
problem which prevented its deletion and then
manually delete the channel.

AMQ9447 Unable to backout repository changes.
Explanation: Following an error, the repository
manager tried to backout some updates to the
repository, but was unsuccessful. The repository
manager terminates.

User Response: If the repository manager
subsequently restarts successfully, this message can be
ignored. If the repository manager does not restart,
contact your IBM support center for assistance.

AMQ9448 Repository manager stopping because of errors. Restart in &1 seconds.

Explanation: A severe error, as reported in the
preceding messages, occurred during repository
manager processing. The repository manager was
unable to continue and terminates. The repository
manager will try to restart after the specified interval.
User Response: Correct the problem reported in the
preceding messages.

AMQ9449 Repository manager restarted.
Explanation: The repository manager restarted
successfully following an error.
User Response: None.

**AMQ9450 Usage: &3 [-m QMgrName] -f
| OutputFile [-v OutputFileVersion]**
Explanation: Values passed to the channel table writer
program were invalid.
The parameter string passed to this program is as
follows:
[-m QMgrName] -f OutputFile [-v OutputFileVersion]
where OutputFileVersion can be either 2 or 5 (5 is the
default)
Default values will be used for parameters not
supplied.
User Response: Correct the parameters passed to the
channel table writer program and retry the operation.

AMQ9451 Repository already active in CPU &1
Explanation: During initialization, a Repository
Manager determined that the named CPU already had
an active Repository Manager. This is probably caused
by an incorrectly configured Pathway. Each CPU can
support only one active Repository Manager.
User Response: Ensure Pathway configuration only
defines one Repository Manager per CPU

AMQ9453 FORCEREMOVE command failed, cluster &3 target &4 is not unique.
Explanation: The repository queue manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because there is more than one queue manager with the specified name in the cluster. The command is ignored.
User Response: Reissue the command specifying the identifier (QMID) of the queue manager to be removed, rather than its name.

AMQ9455 FORCEREMOVE command failed, cluster &3, target &4, not found.
Explanation: The repository queue manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because no information about that queue manager was found in the local repository. The command is ignored.
User Response: Reissue the command, specifying the correct queue manager name or identifier.

AMQ9457 Repository available, cluster &4, channel &5, sender &3.
Explanation: The repository queue manager received a command from another queue manager, whose identifier is &3, reporting that it is again a repository for cluster &4. The cluster-sender channel &5 is changed so that it can be used to access the other queue manager in relation to the cluster.
User Response: None.

AMQ9491 Transmission Queue '&3' set to NOSHARE.
Explanation: The channel '&4' on queue manager '&5' cannot start because this queue manager has a setting for PipeLength greater than 1, and so multiple threads will run in this channel's MCA. Only the first thread would be able to open the Transmission Queue '&3' because it is set to be non-shareable.
User Response: Check the definition of the Transmission Queue '&3' on queue manager '&5' and set it to be SHARE instead of NOSHARE. Alternatively, you can set all channels on this queue manager to use only a single thread, by using the PipeLength parameter.

AMQ9494 A protocol error was detected for channel '&3'.

Explanation: During communications with the remote queue manager, a TCP/IP read and receive call returned EINTR, indicating that it had been interrupted. Immediately after this the channel program detected a protocol error. The failure type was &1 with associated data of &2.

User Response: If you are running an AIX client you will avoid problems arising from EINTRs on TCP/IP reads, by writing your application so that system calls

interrupted by signals are restarted. You must establish the signal handler with sigaction(2) and set the SA_RESTART flag in the sa_flags field of the new action structure. If you are running on a platform other than AIX, an AIX server, or an AIX client with an application that adheres to the restart guidelines provided above, contact the systems administrator who should examine the error logs to determine the cause of the failure.

AMQ9495 The CLWL exit '&3' is inconsistent with a dynamic cache.

Explanation: When the CLWL exit '&3' was called for the ExitReason MQXR_INIT, the value '&1' was returned in the ExitResponse2 field. This indicates the CLWL exit is incompatible with the Queue Manager cache type which is dynamic. Either change the Queue Manager cache type to static (using the Tuning Parameter, ClusterCacheType=STATIC) or rewrite the CLWL exit to be compatible with a dynamic cache". The CLWL exit has been suppressed.

User Response: None.

AMQ9496 Channel ended by a remote exit.

Explanation: Channel program '&3' was ended because the channel exit at the remote end requested it.
User Response: Examine the error logs at the remote end of the channel to see the reason why the remote exit ended the channel.

AMQ9498 The MQCD structure supplied was not valid.

Explanation: The value of the '&3' field has the value '&4'. This value is invalid for the operation requested.

User Response: Change the parameter and retry the operation.

AMQ9499 A WebSphere MQ listener will end shortly.

Explanation: One listener detected in the system is scheduled for shutdown.

User Response: None.

AMQ9500 No Repository storage

Explanation: An operation failed because there was no storage available in the repository. An attempt was made to allocate &1 bytes from &3.

User Response: Reconfigure the Queue Manager to allocate a larger repository.

AMQ9501 Usage: &3 [-m QMgrName] -c ChlName.

Explanation: Values passed to the channel program are not valid. The parameter string passed to this program is as follows :- [-m QMgrName] -c ChlName Default values will be used for parameters not supplied.

User Response: Correct the parameters passed to the Channel program and retry the operation.

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AMQ9502 Type of channel not suitable for action requested.

Explanation: The operation requested cannot be performed on channel '&3'. Some operations are only valid for certain channel types. For example, you can only ping a channel from the end sending the message.

User Response: Check whether the channel name is specified correctly. If it is check that the channel has been defined correctly.

AMQ9503 Channel negotiation failed.

Explanation: Channel '&3' between this machine and the remote machine could not be established due to a negotiation failure.

User Response: Tell the systems administrator, who should attempt to identify the cause of the channel failure using problem determination techniques. For example, look for FFST files, and examine the error logs on the local and remote systems where there may be messages explaining the cause of failure. More information may be obtained by repeating the operation with tracing enabled.

AMQ9504 A protocol error was detected for channel '&3'.

Explanation: During communications with the remote queue manager, the channel program detected a protocol error. The failure type was &1 with associated data of &2.

User Response: Contact the systems administrator who should examine the error logs to determine the cause of the failure.

AMQ9505 Channel sequence number wrap values are different.

Explanation: The sequence number wrap value for channel '&3' is &1, but the value specified at the remote location is &2. The two values must be the same before the channel can be started.

User Response: Change either the local or remote channel definitions so that the values specified for the message sequence number wrap values are the same.

AMQ9506 Message receipt confirmation failed.

Explanation: Channel '&3' has ended because the remote queue manager did not accept the last batch of messages.

User Response: The error log for the channel at the remote site will contain an explanation of the failure. Contact the remote Systems Administrator to resolve the problem.

AMQ9507 Channel '&3' is currently in-doubt.

Explanation: The requested operation cannot complete because the channel is in-doubt with host '&4'.

User Response: Examine the status of the channel, and either restart a channel to resolve the in-doubt state, or use the RESOLVE CHANNEL command to

correct the problem manually.

AMQ9508 Program cannot connect to the queue manager.

Explanation: The connection attempt to queue manager '&4' failed with reason code &1.

User Response: Ensure that the queue manager is available and operational.

AMQ9509 Program cannot open queue manager object.

Explanation: The attempt to open either the queue or queue manager object '&4' on queue manager '&5' failed with reason code &1.

User Response: Ensure that the queue is available and retry the operation.

AMQ9510 Messages cannot be retrieved from a queue.

Explanation: The attempt to get messages from queue '&4' on queue manager '&5' failed with reason code &1.

User Response: If the reason code indicates a conversion problem, for example MQRC_SOURCE_CCsid_ERROR, remove the message(s) from the queue. Otherwise, ensure that the required queue is available and operational.

AMQ9511 Messages cannot be put to a queue.

Explanation: The attempt to put messages to queue '&4' on queue manager '&5' failed with reason code &1.

User Response: Ensure that the required queue is available and operational.

AMQ9512 Ping operation is not valid for channel '&3'.

Explanation: Ping may only be issued for SENDER, SERVER or CLUSSDR channel types. Also, it may not be issued for an SSL channel on the HP-UX platform.

User Response: If the local channel is a receiver channel, you must issue the ping from the remote queue manager.

AMQ9513 Maximum number of channels reached.

Explanation: The maximum number of channels that can be in use simultaneously has been reached. The number of permitted channels is a configurable parameter in the queue manager configuration file.

User Response: Wait for some of the operating channels to close. Retry the operation when some channels are available.

AMQ9514 Channel '&3' is in use.

Explanation: The requested operation failed because channel '&3' is currently active.

User Response: Either end the channel manually, or wait for it to close, and retry the operation.

AMQ9515 Channel '&3' changed.

Explanation: The statistics shown are for the channel requested, but it is a new instance of the channel. The previous channel instance has ended.

User Response: None.

AMQ9516 File error occurred.

Explanation: The file system returned error code &1 for file '&3'.

User Response: Record the name of the file '&3' and tell the systems administrator, who should ensure that file '&3' is correct and available.

AMQ9517 File damaged.

Explanation: The program has detected damage to the contents of file '&3'.

User Response: Record the values and tell the systems administrator who must restore a saved version of file '&3'. The return code was '&1' and the record length returned was '&2'.

AMQ9518 File '&3' not found.

Explanation: The program requires that the file '&3' is present and available.

User Response: This may be caused by invalid values for the optional environment variables MQCHLLIB, MQCHLTAB or MQDATA. If these variables are valid or not set then record the name of the file and tell the systems administrator who must ensure that file '&3' is available to the program.

AMQ9519 Channel '&3' not found.

Explanation: The requested operation failed because the program could not find a definition of channel '&3'.

User Response: Check that the name is specified correctly and the channel definition is available.

AMQ9520 Channel not defined remotely.

Explanation: There is no definition of channel '&3' at the remote location.

User Response: Add an appropriate definition to the remote hosts list of defined channels and retry the operation.

AMQ9521 Host is not supported by this channel.

Explanation: The connection across channel '&5' was refused because the remote host '&4' did not match the host '&3' specified in the channel definition.

User Response: Update the channel definition, or remove the explicit mention of the remote machine connection name.

AMQ9522 Error accessing the status table.

Explanation: The program could not access the channel status table.

User Response: A value of &1 was returned from the subsystem when an attempt was made to access the Channel status table. Contact the systems administrator, who should examine the log files to determine why the program was unable to access the status table.

AMQ9523 Remote host detected a protocol error.

Explanation: During communications through channel '&3', the remote queue manager channel program detected a protocol error. The failure type was &1 with associated data of &2.

User Response: Tell the systems administrator, who should examine the error files to determine the cause of the failure.

AMQ9524 Remote queue manager unavailable.

Explanation: Channel '&3' cannot start because the remote queue manager is not currently available.

User Response: Either start the remote queue manager, or retry the operation later.

AMQ9525 Remote queue manager is ending.

Explanation: Channel '&3' is closing because the remote queue manager is ending.

User Response: None.

AMQ9526 Message sequence number error for channel '&3'.

Explanation: The local and remote queue managers do not agree on the next message sequence number. A message with sequence number &1 has been sent when sequence number &2 was expected.

User Response: Determine the cause of the inconsistency. It could be that the synchronization information has become damaged, or has been backed out to a previous version. If the situation cannot be resolved, the sequence number can be manually reset at the sending end of the channel using the RESET CHANNEL command.

AMQ9527 Cannot send message through channel '&3'.

Explanation: The channel has closed because the remote queue manager cannot receive a message.

User Response: Contact the systems administrator who should examine the error files of the remote queue manager, to determine why the message cannot be received, and then restart the channel.

AMQ9528 User requested closure of channel '&3'.

Explanation: The channel is closing because of a request by the user.

User Response: None.

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AMQ9529 Target queue unknown on remote host.

Explanation: Communication using channel '&3' has ended because the target queue for a message is unknown at the remote host.

User Response: Ensure that the remote host contains a correctly defined target queue, and restart the channel.

AMQ9530 Program could not inquire queue attributes.

Explanation: The attempt to inquire the attributes of queue '&4' on queue manager '&5' failed with reason code &1.

User Response: Ensure that the queue is available and retry the operation.

AMQ9531 Transmission queue specification error.

Explanation: Queue '&4' identified as a transmission queue in the channel definition '&3' is not a transmission queue.

User Response: Ensure that the queue name is specified correctly. If so, alter the queue usage parameter of the queue to that of a transmission queue.

AMQ9532 Program cannot set queue attributes.

Explanation: The attempt to set the attributes of queue '&4' on queue manager '&5' failed with reason code &1.

User Response: Ensure that the queue is available and retry the operation.

AMQ9533 Channel '&3' is not currently active.

Explanation: The channel was not stopped because it was not currently active. If attempting to stop a specific instance of a channel by connection name or by remote queue manager name this message indicates that the specified instance of the channel is not running.

User Response: None.

AMQ9534 Channel '&3' is currently not enabled.

Explanation: The channel program ended because the channel is currently not enabled.

User Response: Issue the START CHANNEL command to re-enable the channel.

AMQ9535 User exit not valid.

Explanation: Channel program '&3' ended because user exit '&4' is not valid.

User Response: Ensure that the user exit is specified correctly in the channel definition, and that the user exit program is correct and available.

AMQ9536 Channel ended by an exit.

Explanation: Channel program '&3' was ended by exit '&4'.

User Response: None.

AMQ9538 Commit control error.

Explanation: An error occurred when attempting to start commitment control. Either exception '&3' was received when querying commitment status, or commitment control could not be started.

User Response: Refer to the error log for other messages pertaining to this problem.

AMQ9539 No channels available.

Explanation: The channel initiator program received a trigger message to start an MCA program to process queue '&3'. The program could not find a defined, available channel to start.

User Response: Ensure that there is a defined channel, which is enabled, to process the transmission queue.

AMQ9540 Commit failed.

Explanation: The program ended because return code &1 was received when an attempt was made to commit change to the resource managers. The commit ID was '&3'.

User Response: Tell the systems administrator.

AMQ9541 CCSID supplied for data conversion not supported.

Explanation: The program ended because, either the source CCSID '&1' or the target CCSID '&2' is not valid, or is not currently supported.

User Response: Correct the CCSID that is not valid, or ensure that the requested CCSID can be supported.

AMQ9542 Queue manager is ending.

Explanation: The program will end because the queue manager is quiescing.

User Response: None.

AMQ9543 Status table damaged.

Explanation: The channel status table has been damaged.

User Response: End all running channels and issue a DISPLAY CHSTATUS command to see the status of the channels. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9544 Messages not put to destination queue.

Explanation: During the processing of channel '&3' one or more messages could not be put to the destination queue and attempts were made to put them to a dead-letter queue. The location of the queue is &1, where 1 is the local dead-letter queue and 2 is the remote dead-letter queue.

User Response: Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to

the queue, and to where it was originally addressed. Also look at previous error messages to see if the attempt to put messages to a dead-letter queue failed. The program identifier (PID) of the processing program was '&4'.

AMQ9545 Disconnect interval expired.

Explanation: Channel '&3' closed because no messages arrived on the transmission queue within the disconnect interval period.

User Response: None.

AMQ9546 Error return code received.

Explanation: The program has ended because return code &1 was returned from function &3
User Response: Correct the cause of the failure and retry the operation.

AMQ9547 Type of remote channel not suitable for action requested.

Explanation: The operation requested cannot be performed because channel '&3' on the remote machine is not of a suitable type. For example, if the local channel is defined as a sender the remote machine must define its channel as either a receiver or requester.

User Response: Check that the channel name is specified correctly. If it is, check that the remote channel has been defined correctly.

AMQ9548 Message put to the 'dead-letter queue'.

Explanation: During processing a message has been put to the dead-letter queue.

User Response: Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

AMQ9549 Transmission Queue '&3' inhibited for MQGET.

Explanation: An MQGET failed because the transmission queue had been previously inhibited for MQGET.

User Response: None.

AMQ9550 Channel program &3 cannot be stopped at this time.

Explanation: The channel program can not be terminated immediately but should end shortly.

User Response: If the channel does not end in a short time issue the STOP CHANNEL command again.

AMQ9551 Protocol not supported by remote host

Explanation: The operation you are performing over Channel '&3' to the host at '&4' is not supported by the target host.

User Response: Check that the connection name parameter is specified correctly and that the levels of

the products in use are compatible.

AMQ9552 Security flow not received.

Explanation: During communications through channel '&3' the local security exit requested security data from the remote machine. The security data has not been received so the channel has been closed.

User Response: Tell the systems administrator who should ensure that the security exit on the remote machine is defined correctly.

AMQ9553 The function is not supported.

Explanation: The &3 function &4 attempted is not currently supported on this platform.

User Response: None.

AMQ9554 User not authorized.

Explanation: You are not authorized to perform the Channel operation.

User Response: Tell the systems administrator who should ensure that the correct access permissions are available to you, and then retry the operation.

AMQ9555 File format error.

Explanation: The file '&3' does not have the expected format.

User Response: Ensure that the file name is specified correctly.

AMQ9556 Channel synchronization file missing or damaged.

Explanation: The channel synchronization file '&3' is missing or does not correspond to the stored channel information for queue manager '&4'.

User Response: Rebuild the synchronization file using the rcrmobj command `rcrmobj -t syncfile (-m q-mgr-name)`

AMQ9557 Queue Manager User ID initialization failed.

Explanation: The call to initialize the User ID failed with CompCode &1 and Reason &2.

User Response: Correct the error and try again.

AMQ9558 Remote Channel is not currently available.

Explanation: The channel program ended because the channel '&3' is not currently available on the remote system. This could be because the channel is disabled or that the remote system does not have sufficient resources to run a further channel.

User Response: Check the remote system to ensure that the channel is available to run, and retry the operation.

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AMQ9560 Rebuild Synchronization File - program started

Explanation: Rebuilding the Synchronization file for Queue Manager '&3'.

User Response: None.

AMQ9561 Rebuild Synchronization File - program completed normally

Explanation: Rebuild Synchronization File program completed normally.

User Response: None.

AMQ9562 Synchronization file in use.

Explanation: The Synchronization file '&3' is in use and cannot be recreated.

User Response: Stop any channel activity and retry the rcrmqmobj command.

AMQ9563 Synchronization file cannot be deleted

Explanation: The file system returned error code &1 for file '&3'.

User Response: Tell the systems administrator who should ensure that file '&3' is available and not in use.

AMQ9564 Synchronization File cannot be created

Explanation: The file system returned error code &1 for file '&3'.

User Response: Tell the systems administrator.

AMQ9565 No dead-letter queue defined.

Explanation: The queue manager '&4' does not have a defined dead-letter queue.

User Response: Either correct the problem that caused the program to try and write a message to the dead-letter queue or create a dead-letter queue for the queue manager.

AMQ9566 Invalid MQSERVER value

Explanation: The value of the MQSERVER environment variable was '&3'. The variable should be in the format 'ChannelName/Protocol/ConnectionName'.

User Response: Correct the MQSERVER value and retry the operation.

AMQ9572 Message header is not valid.

Explanation: Channel '&3' is stopping because a message header is not valid. During the processing of the channel, a message was found that has a header that is not valid. The dead-letter queue has been defined as a transmission queue, so a loop would be created if the message had been put there.

User Response: Correct the problem that caused the message to have a header that is not valid.

AMQ9573 Maximum number of active channels reached.

Explanation: There are too many channels active to start another. The current defined maximum number of active channels is &1.

User Response: Either wait for some of the operating channels to close or use the stop channel command to close some channels. Retry the operation when some channels are available. The maximum number of active channels is a configurable parameter in the queue manager configuration file.

AMQ9574 Channel &3 can now be started.

Explanation: Channel &3 has been waiting to start, but there were no channels available because the maximum number of active channels was running. One, or more, of the active channels has now closed so this channel can start.

User Response:

AMQ9575 DCE Security: failed to get the user's login name.

Explanation: System call &4 to get the login name of the user running WebSphere MQ client application process &1 failed with error value &2. This occurred in security exit function create_cred. The exit will now attempt to open channel &3 using the DCE default login context.

User Response: If you wish to run using the DCE default login context take no action. If you wish to run using the user's login name as the DCE security exit principal examine the documentation for the operating system on which you are running MQ clients and reconfigure the operating system as necessary to allow the &4 call to succeed.

AMQ9576 DCE Security: an exit could not allocate memory.

Explanation: A DCE exit was unsuccessful in obtaining the memory it needed. The failure occurred in exit function &4. Channel &3 is closed.

User Response: Make more memory available to the WebSphere MQ system and restart the relevant channel.

AMQ9577 DCE security exit: no partner name.

Explanation: Channel &3 has not been opened because the DCE security exit which initiates the security context was not passed a valid partner name. When the DCE security exit is called to initiate the security context it is essential that the PartnerName field in the MQCXP structure contains a valid partner name. On this call it did not. This can arise as a result of a usage error, for instance only specifying the security exit on one end of the channel. The error was reported from security exit function savePartnerName.

User Response: Check your usage of the DCE security exit for errors, such as only specifying the exit in one of

the matching channel definitions. Correct any errors found and retry.

AMQ9578 DCE Security: bad return from DCE call.

Explanation: Channel &3 has been closed because one of the DCE channel exits received a bad return code from DCE.

User Response: Consult the appropriate DCE manuals to find out the meaning of `major_status` &1 and `minor_status` &2 on call &5. Then rectify the error. The exit function name is &4.

AMQ9579 DCE Security: partner name does not match target.

Explanation: The DCE Security exit was requested to perform a trusted channel check: target partner name &4 was specified in the `SCYDATA` field of channel &3. The actual partner name associated with channel &3 was &5, so the security exit suppressed the channel.

User Response: Examine the channel definition of channel &3 and alter it so that the relevant name on the partner system matches that specified in the `SCYDATA` field.

AMQ9580 DCE Security: invalid message received.

Explanation: An IBM-supplied DCE exit on channel &3 received a message that was not generated by a matching exit, or was not the expected type of message. The `header.mechanism` field had value &1. The `header.msgtype` field had value &2. The name of the exit function in which the error was discovered is &4.

User Response: Make sure that the exits at both ends of the channel generate compatible flows.

AMQ9581 DCE Security: wrong exit called.

Explanation: Exit &4 on channel &3 was called for use as a WebSphere MQ exit of the wrong type. `DCE_SEC_SCY_CHANNELEXIT` functions as a security exit; `DCE_SEC_SRM_CHANNELEXIT` functions as a send, receive or message exit. The `ExitId` parameter passed to the exit was &1.

User Response: Alter the exit definitions to ensure that exit &4 is called correctly.

AMQ9582 DCE Security: invalid exit function requested.

Explanation: Exit &4 on channel &3 was called with an invalid `ExitReason` (value &1).

User Response: Check that the exit is being run with a compatible release of WebSphere MQ base code. If not then correct it. If it is, contact your IBM support center for help.

AMQ9583 The DCE security exit was not run.

Explanation: The `DCE_SEC_SRM_CHANNELEXIT` exit was called on channel &3; the value of `pContext->mechanism` (&1) passed was not valid.

User Response: This is probably because the `DCE_SEC_SRM_CHANNELEXIT` exit has been called without first calling the `DCE_SEC_SCY_CHANNELEXIT` security exit. Alter the system so that either both or neither are run.

AMQ9584 DCE Security: message too short.

Explanation: The `DCE_SEC_SRM_CHANNELEXIT` receive or message exit was called on channel &3 to process an incoming message. The `pDataLength` parameter supplied to the exit indicated that the message received was too short to be a valid message for the relevant exit. The `*pDataLength` value was &1.

User Response: Configure the system so that compatible send/receive/message exits are run at both ends of the channel.

AMQ9585 Maximum number of channel initiators reached.

Explanation: The maximum number of channels initiators that can be in use simultaneously has been reached. The number of permitted channel initiators is a configurable parameter in the queue manager configuration file.

User Response: Wait for one or more channel initiators to close and retry the operation or modify the configuration file to allow more initiators and restart the Queue Manager.

AMQ9586 Program cannot create queue manager object.

Explanation: The attempt to create object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9587 Program cannot open queue manager object.

Explanation: The attempt to open object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9588 Program cannot update queue manager object.

Explanation: The attempt to update object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

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AMQ9589 Program cannot query queue manager object.

Explanation: The attempt to query object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9590 Program cannot close queue manager object.

Explanation: The attempt to close object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9591 Program cannot prepare queue manager object.

Explanation: The attempt to prepare object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9592 Program cannot resolve queue manager object.

Explanation: The attempt to resolve object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9593 Program cannot delete queue manager object.

Explanation: The attempt to delete object '&4' on queue manager '&5' failed with reason code &1.

User Response: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9594 Usage: runmqfmt [filename].

Explanation: Syntax for the usage of runmqfmt.

User Response: None.

AMQ9596 Queue Manager '&3' still running

Explanation: The requested operation can not complete because queue manager '&3' is still running.

User Response: End the queue manager and retry the operation.

AMQ9597 No WebSphere MQ listeners found for the given Queue Manager

Explanation: No listener processes were found in the system for Queue Manager '&3'.

User Response: None.

AMQ9598 &1 WebSphere MQ listeners will end shortly.

Explanation: &1 listeners detected in the system are scheduled for shutdown.

User Response: None.

AMQ9599 Program could not open queue manager object.

Explanation: The attempt to open either the queue or queue manager object '&4' on queue manager '&5' by user '&3' failed with reason code &1.

User Response: Ensure that the queue is available and retry the operation. If the message is from a remote Queue Manager, check the Message Channel Agent User Identifier has the correct authority.

AMQ9602 Maximum number of channel processes reached.

Explanation: The channel can not start because the number of channel processes has already reached the maximum allowable value. The maximum number of channel processes is configured as &1. This value is a configurable parameter in the queue manager configuration file.

User Response: Wait for some of the operating channels to close. Retry the operation when some channels are available.

AMQ9603 Error accessing the process pool shared segment.

Explanation: The program could not access the process pool shared segment

User Response: A value of &1 was returned from the subsystem when an attempt was made to access the Channel process pool shared memory. Contact the systems administrator, who should examine the log files to determine why the program was unable to access the process pool shared segment.

AMQ9604 Channel '&3' terminated unexpectedly

Explanation: The process or thread executing channel '&3' is no longer running. The check process system call returned &1 for process &2.

User Response: No immediate action is required because the channel entry has been removed from the list of running channels. Inform the system administrator who should examine the operating system procedures to determine why the channel process has terminated.

AMQ9605 &1 WebSphere MQ listeners have been ended.

Explanation: &1 listeners detected in the system have been ended.

User Response: None.

AMQ9606 An WebSphere MQ listener has ended.
Explanation: One listener detected in the system has been ended.
User Response: None.

AMQ9608 Remote resources in recovery
Explanation: Channel &3 could not establish a successful connection with the remote Queue Manager because resources are being recovered.
User Response: Restart the channel at a later time. If the problem persists then examine the error logs of the remote Queue Manager to see the full explanation of the cause of the problem.

AMQ9620 Internal error on call to SSL function on channel '&3'.
Explanation: An error indicating a software problem was returned from a function which is used to provide SSL support. The error code returned was '&1'. The function call was '&4'. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9621 Error on call to SSL function ignored on channel '&3'.
Explanation: An error indicating a software problem was returned from a function which is used to provide SSL support. The error code returned was '&1'. The function call was '&4'. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. This error is not regarded as sufficiently serious to interrupt channel operation; channel operation was not affected.
User Response: None.

AMQ9622 AUTHINFO object '&3' does not exist.
Explanation: A channel or channel process has failed to start because the namelist of CRL AUTHINFO objects includes the name '&3', but no AUTHINFO object of that name exists.
User Response: Ensure all the names in the namelist specified on the SSLCRLNL queue manager attribute correspond to AUTHINFO objects which are to be used on the SSL channels. Restart the failing channel or channel process.

AMQ9623 Error inquiring on AUTHINFO object '&3'.
Explanation: A channel or channel process has failed to start because reason code &1 was returned when an inquire was performed on AUTHINFO object '&3'.
User Response: Look at the MQRC_ values in the WebSphere MQ Application Programming Reference to determine the meaning of reason code &1, correct the

error, and restart the failing channel or channel process.

AMQ9624 AUTHINFO object '&3' is not of type CRLLDAP.
Explanation: A channel or channel process has failed to start because one of the AUTHINFO objects specified in the SSLCRLNL namelist is not of AUTHTYPE CRLLDAP. Instead the type value is &1.
User Response: Only include CRLLDAP AUTHINFO objects in the namelist specified on the SSLCRLNL queue manager attribute. Restart the channel or channel process.

AMQ9625 AUTHINFO object '&3' was specified with an invalid CONNAME.
Explanation: A channel or channel process has failed to start because one of the AUTHINFO objects specified in the SSLCRLNL namelist has an invalid CONNAME parameter. The invalid value is '&4'.
User Response: Correct the invalid parameter. Restart the channel or channel process.

AMQ9626 Channel hanging while initializing SSL.
Explanation: The current channel cannot start because another channel is hanging while initializing the SSL subsystem.
User Response: Investigate the reason for the hang on the other channel. Once this is rectified, restart this channel.

AMQ9627 The path and stem name for the SSL key repository have not been specified.
Explanation: The directory path and file stem name for the SSL key repository have not been specified. On an MQ client system there is no default location for this file. SSL connectivity is therefore impossible as this file cannot be accessed.
User Response: Use the MQSSLKEYR environment variable or MQCONN API call to specify the directory path and file stem name for the SSL key repository.

AMQ9628 An LDAP server containing CRLs was specified with an invalid CONNAME.
Explanation: The WebSphere MQ client has failed to connect because an invalid CONNAME was found for one of the LDAP servers containing CRLs. The invalid value is '&3'.
User Response: Correct the invalid parameter. If the LDAP details were defined on a queue manager system, regenerate the client definitions. Reconnect.

AMQ9629 Bad SSL cryptographic hardware parameters.
Explanation: The following string was supplied to specify or control use of SSL cryptographic hardware: '&4'. This string does not conform to any of the MQ SSL cryptographic parameter formats. The channel is

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| '&3'. The channel did not start.
| **User Response:** Correct your SSL cryptographic
| hardware parameters and restart the channel.

| **AMQ9630 An expired SSL certificate was loaded.**
| **Explanation:** An SSL certificate that was loaded was
| not corrupt, but failed validation checks on its date
| fields. The certificate has either expired, or its date is
| not valid yet (that is, the from date is later than today),
| or the validity date range is incorrect (for example, the
| to date is earlier than the from date).
| **User Response:** Ensure that the specified SSL
| certificate has a valid expiry date.

| **AMQ9631 The CipherSpecs on the two ends of
| channel '&3' do not match.**
| **Explanation:** There is a mismatch between the
| CipherSpecs on the local and remote ends of channel
| '&3'. The channel will not run until this mismatch is
| resolved.
| **User Response:** Change the channel definitions for
| '&3' so the two ends have matching CipherSpecs and
| restart the channel.

| **AMQ9633 Bad SSL certificate for channel '&3'.**
| **Explanation:** A certificate encountered during SSL
| handshaking is regarded as bad for one of the
| following reasons:
| • it was formatted incorrectly and could not be
| validated, or
| • it was formatted correctly but failed validation
| against the Certification Authority (CA) root and
| other certificates held on the local system, or
| • it was found in a Certification Revocation List (CRL)
| on an LDAP server.

| The channel is '&3'; in some cases its name cannot be
| determined and so is shown as '????'. The channel did
| not start.
| **User Response:** Check which of the three possible
| causes applies on your system. Correct the error, and
| restart the channel.

| **AMQ9634 SSL security context expired.**
| **Explanation:** During an SSL operation to encrypt or
| decrypt a secured message, the SSL security context,
| which is used to secure communications and was
| previously established with the remote party, has
| expired because the remote party has shut down. The
| secured message has not been encrypted or decrypted.
| This failure has closed WebSphere MQ channel name
| '&3'. If the name is '????', the name is unknown. The
| SSL operation was '&5' and its completion code was
| '&4'.
| **User Response:** Determine why the remote party has
| shut down and if necessary restart the channel. The
| shut down might be the result of controlled termination
| by a system administrator, or the result of an
| unexpected termination due to an error. The SSL

| operation is described in the Windows Schannel
| reference manual.

| **AMQ9635 Channel '&3' did not specify a valid
| CipherSpec.**
| **Explanation:** Channel '&3' did not specify a valid
| CipherSpec.
| **User Response:** Change channel '&3' to specify a
| valid CipherSpec.

| **AMQ9636 SSL distinguished name does not match
| peer name, channel '&3'.**
| **Explanation:** The distinguished name, '&4', contained
| in the SSL certificate for the remote end of the channel
| does not match the local SSL peer name for channel
| '&3'. The distinguished name at the remote end must
| match the peer name specified (which can be generic)
| before the channel can be started.
| **User Response:** If this remote system should be
| allowed to connect, either change the SSL peer name
| specification for the local channel so that it matches the
| distinguished name in the SSL certificate for the remote
| end of the channel, or obtain the correct certificate for
| the remote end of the channel. Restart the channel.

| **AMQ9637 Channel is lacking a certificate.**
| **Explanation:** The channel is lacking a certificate to use
| for the SSL handshake. The channel name is '&3' (if
| '????' it is unknown at this stage in the SSL processing).
| The channel did not start.
| **User Response:** Make sure the appropriate certificates
| are correctly configured in the key repositories for both
| ends of the channel.

| **AMQ9638 SSL communications error for channel
| '&3'.**
| **Explanation:** An unexpected SSL communications
| error occurred for a channel, as reported in the
| preceding messages. The channel is '&3'; in some cases
| its name cannot be determined and so is shown as
| '????'. The channel did not start.
| **User Response:** Investigate the problem reported in
| the preceding messages. Review the local and remote
| console logs for reports of network errors. Correct the
| errors and restart the channel.

| **AMQ9639 Remote channel '&3' did not specify a
| CipherSpec.**
| **Explanation:** Remote channel '&3' did not specify a
| CipherSpec when the local channel expected one to be
| specified. The channel did not start.
| **User Response:** Change the remote channel '&3' to
| specify a CipherSpec so that both ends of the channel
| have matching CipherSpecs.

AMQ9640 SSL invalid peer name, channel '&3', attribute '&5'.

Explanation: The SSL peer name for channel '&3' includes a distinguished name attribute key '&5' which is invalid or unsupported. The channel did not start.

User Response: Correct the SSL peer name for the channel. Restart the channel.

AMQ9641 Remote CipherSpec error for channel '&3'.

Explanation: The remote end of channel '&3' has had a CipherSpec error. The channel did not start.

User Response: Review the error logs on the remote system to discover the problem with the CipherSpec.

AMQ9642 No SSL certificate for channel '&3'.

Explanation: The channel '&3' did not supply a certificate to use during SSL handshaking, but a certificate is required by the remote queue manager. The channel did not start.

User Response: Ensure that the key repository of the local queue manager or MQ client contains an SSL certificate which is associated with the queue manager or client. Alternatively, if appropriate, change the remote channel definition so that its SSLCAUTH attribute is set to OPTIONAL and it has no SSLPEER value set.

AMQ9643 Remote SSL peer name error for channel '&3'.

Explanation: The remote end of channel '&3' has had an SSL peer name error. The channel did not start.

User Response: Review the error logs on the remote system to discover the problem with the peer name.

AMQ9645 Correctly labelled SSL certificate missing on channel '&3'.

Explanation: The key database file in use has not been set up with a correctly labelled SSL certificate. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Add a correctly labelled SSL certificate to the current key database file. Restart the channel.

AMQ9646 Channel '&3' could not connect to any LDAP CRL servers.

Explanation: LDAP Certification Revocation List (CRL) servers were specified but a connection could not be established to any of them. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check that the LDAP CRL server specifications are correct. If they are, check that the servers are running and that the networking to access them is working correctly. Fix any errors found and restart the channel.

AMQ9647 I/O error on SSL key repository.

Explanation: An I/O error was encountered when attempting to read the SSL key repository. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Analyze why there is a I/O problem when reading the key repository. Fix the error if one is found, or it may be a temporary problem. Restart the channel.

AMQ9648 The SSL key repository has an invalid internal format.

Explanation: The SSL key repository has an invalid internal format. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Recreate the SSL key repository and restart the channel.

AMQ9649 The SSL key repository contains duplicate keys.

Explanation: The SSL key repository contains two or more entries with the same key. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Use your key management tool to remove the duplicate keys. Restart the channel.

AMQ9650 The SSL key repository contains entries with duplicate labels.

Explanation: The SSL key repository contains two or more entries with the same label. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Use your key management tool to remove the duplicate entries. Restart the channel.

AMQ9651 The SSL key repository is corrupt or has a bad password.

Explanation: The SSL key repository has become corrupted or its password id is incorrect. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Use your key management tool to recreate the key repository with a new password. Restart the channel.

AMQ9652 The SSL certificate labelled for MQ use has expired.

Explanation: The SSL certificate labelled for MQ use has expired. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Use your key management tool to provide MQ with a current SSL certificate. Restart the channel.

AMQ9653 An SSL trace file could not be opened.
Explanation: An SSL trace file could not be opened. The SSL trace files are created in directory /var/mqm/trace and have names AMQ.SSL.TRC and AMQ.SSL.TRC.1. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. This error is not regarded as sufficiently serious to interrupt channel operation; channel operation was not affected.
User Response: Check that you have a directory called /var/mqm/trace and that the userid under which WebSphere MQ runs has permissions and space to create and open a file in that directory. Fix the problem and you will get SSL trace output.

AMQ9654 An invalid SSL certificate was received from the remote system.
Explanation: An SSL certificate received from the remote system was not corrupt but failed validation checks on something other than its ASN fields and date. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9655 Problem loading GSKit SSL support.
Explanation: MQ SSL support is provided on this platform using a component called GSKit which is installed as part of MQ. GSKit had an internal problem loading one of its dynamic link libraries. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Uninstall MQ and reinstall. Restart the channel.

AMQ9656 An invalid SSL certificate was received from the remote system.
Explanation: An SSL certificate received from the remote system was not corrupt but failed validation checks on its ASN fields. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9657 The key repository could not be opened (channel '&3').
Explanation: The key repository could not be opened. The key repository either does not exist or has incorrect permissions associated with it. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the key repository you specify exists and that its permissions are such that the MQ process involved can read from it. Restart the channel.

AMQ9658 An invalid SSL certificate was received from the remote system.
Explanation: An SSL certificate received from the remote system was not corrupt but failed validation checks on its date fields. The certificate has either expired, or its date is not valid yet (i.e. the from date is later than today), or the validity date range is incorrect (e.g. the to date is earlier than the from date). The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the remote system has a valid, current SSL certificate. Restart the channel.

AMQ9659 A failure occurred during SSL handshaking.
Explanation: During SSL handshaking, or associated activities, a failure occurred. The failure is '&4' and has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.
User Response: Refer to prior message in the WebSphere MQ error log for information related to this problem.

AMQ9660 SSL key repository: password stash file absent or unusable.
Explanation: The SSL key repository cannot be used because MQ cannot obtain a password to access it. Reasons giving rise to this error include:
 (a) the key database file and password stash file are not present in the location configured for the key repository,
 (b) the key database file exists in the correct place but that no password stash file has been created for it,
 (c) the files are present in the correct place but the userid under which MQ is running does not have permission to read them,
 (d) one or both of the files are corrupt.
 The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the key repository variable is set to where the key database file is. Ensure that a password stash file has been associated with the key database file in the same directory, and that the userid under which MQ is running has read access to both files. If both are already present and readable in the correct place, delete and recreate them. Restart the channel.

AMQ9661 Bad SSL data from peer on channel '&3'.
Explanation: An SSL channel has stopped because bad SSL data was received from the remote end of the channel. More detail on the nature of the corruption can be found from the GSKit return value of &1 (the GSKit return values are documented in the MQ manuals). The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'.

User Response: Ensure you are connecting to a version of MQ which supports SSL at the remote end of the channel. Check your network between the two ends of the channel, and consider whether any possible causes of message corruption could be present. Fix any problems which may exist and restart the channel.

AMQ9662 SSL has encountered something it does not support.

Explanation: This error can arise for a number of reasons: 1) The platform does not support a given type of cryptographic hardware, e.g. Ncipher and Rainbow are/were not supported on the Linux/390 platform. 2) The cryptographic hardware cryptography has returned an error. 3) Unsupported X509 General Name format when checking the remote certificate. The GSKit SSL provider incorporated in MQ only supports formats rfc822, DNSName, directoryname, uniformResourceID, and IPAddress. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check that your cryptographic hardware is supported on your platform and test it to see that it is working correctly. Check that the remote certificates you are using conform to the X509 General Name formats listed. Fix the problem and restart the channel.

AMQ9663 An invalid SSL certificate was received from the remote system.

Explanation: An SSL certificate received from the remote system failed validation checks on its signature. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Ensure that the remote system has a valid SSL certificate. Restart the channel.

AMQ9664 Bad userid for CRL LDAP server; SSL channel '&3'.

Explanation: Certification Revocation List (CRL) checking on an LDAP server or servers has been configured on the local MQ system. The userid information configured for the LDAP server or servers is incorrect. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check the userid information for the CRL LDAP server or servers you have configured locally. Correct any problems found and restart the channel.

AMQ9665 SSL connection closed by remote end of channel '&3'.

Explanation: The SSL connection was closed by the remote end of the channel during the SSL handshake. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check the remote end of the channel for SSL-related errors. Fix them and restart the channel.

AMQ9666 Error accessing CRL LDAP servers; SSL channel '&3'.

Explanation: CRL checking on LDAP servers has been configured on the local MQ system. An error was found when trying to access the CRL LDAP servers when validating a certificate from the remote system. Possible causes are:

- (a) cannot connect to any of the LDAP servers, or
- (b) invalid login user id or password for an LDAP server, or
- (c) the certificate issuer's Distinguished Name (DN) is not defined in the DIT of an LDAP server.

The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check access to the CRL LDAP server(s) you have configured locally. Put right any problems found and restart the channel.

AMQ9667 Bad password for CRL LDAP server; SSL channel '&3'.

Explanation: Certification Revocation List (CRL) checking on an LDAP server or servers has been configured on the local MQ system. The password information configured for the LDAP server or servers is incorrect. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Check the password information for the CRL LDAP server or servers you have configured locally. Correct any problems found and restart the channel.

AMQ9668 The specified PKCS #11 shared library could not be loaded.

Explanation: A failed attempt was made to load the PKCS #11 shared library specified to MQ in the PKCS #11 driver path field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Ensure that the PKCS #11 shared library exists and is valid at the location specified. Restart the channel.

AMQ9669 The PKCS #11 token could not be found.

Explanation: The PKCS #11 driver failed to find the token specified to MQ in the PKCS #11 token label field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.

User Response: Ensure that the PKCS #11 token exists with the label specified. Restart the channel.

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AMQ9670 PKCS #11 card not present.
Explanation: A PKCS #11 card is not present in the slot. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the correct PKCS #11 card is present in the slot. Restart the channel.

AMQ9671 The PKCS #11 token password specified is invalid.
Explanation: The password to access the PKCS #11 token is invalid. This is specified to MQ in the PKCS #11 token password field of the GSK_PKCS11 SSL CryptoHardware parameter. The channel is '&3'; in some cases its name cannot be determined and so is shown as '????'. The channel did not start.
User Response: Ensure that the PKCS #11 token password specified on GSK_PKCS11 allows access to the PKCS #11 token specified on GSK_PKCS11. Restart the channel.

AMQ9672 An SSL security call failed.
Explanation: An SSPI call to the Secure Channel (Schannel) SSL provider failed. The failure has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.
User Response: Consult the Windows Schannel reference manual to determine the meaning of status &5 for SSPI call &4. Correct the failure and if necessary restart the channel.

AMQ9673 SSL client handshaking failed.
Explanation: During an SSL client's handshaking, an SSPI call to the Secure Channel (Schannel) SSL provider failed. The failure has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.
User Response: Consult the Windows Schannel reference manual to determine the meaning of status &4 for SSPI call &5. Correct the failure and if necessary restart the channel.

AMQ9674 An unknown error occurred during an SSL security call.
Explanation: An unknown error occurred during an SSPI call to the Secure Channel (Schannel) SSL provider. The error may be due to a Windows SSL problem or to a general Windows problem or to invalid WebSphere MQ data being used in the call. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.
User Response: Consult the Windows Schannel reference manual to determine the meaning of status &5 for SSPI call &4. If the problem can be resolved using the manual, correct the failure and if necessary restart the channel. If the problem cannot be resolved

then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9675 The requested certificate could not be found.
Explanation: A request for a certificate identified as '&4 &5' in the store '&3' has failed, because the certificate could not be found. The Windows error code has been set to &1. The WebSphere MQ error recording routine has been called.
User Response: Consult the Windows reference manual to determine the meaning of error &1 if this value is nonzero. Check to see whether the specified certificate has been copied to the correct certificate store and has not been deleted. Use the amqmcert command line utility or the WebSphere MQ Services administration application to configure certificate store for use with WebSphere MQ. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9676 The Windows cryptographic services library could not be loaded.
Explanation: WebSphere MQ requires crypt32.dll to be available in order to carry out cryptographic functionality. The attempt to load this library returned the Windows error code &1. The WebSphere MQ error recording routine has been called.
User Response: Consult the Windows reference manual to determine the meaning of error code &1. Check that the crypt32.dll file is available and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9677 The Windows security services library could not be loaded.
Explanation: WebSphere MQ requires &3 to be available in order to run or configure SSL functionality. The attempt to load this library returned the Windows error code &1. The WebSphere MQ error recording routine has been called.
User Response: Consult the Windows reference manual to determine the meaning of error code &1. Check that the &3 file is available and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9678 The certificate '&4/&5' already exists in the store '&3'.

Explanation: The certificate store &3 already contains the specified certificate, identified by the issuer name of &4, serial number &5. The existing certificate has not been replaced.

User Response:

AMQ9679 The certificate store '&3' could not be opened.

Explanation: The certificate store '&3' could not be opened, and failed with the Windows error code &1. The WebSphere MQ error recording routine has been called.

User Response: Consult the Windows reference manual to determine the meaning of error &1 if this value is nonzero. Check that either your MQSSLKEYR environment variable (for client connections), or SSLKEYR queue manager attribute (for WebSphere MQ queue managers) has been defined correctly, and that the file path specified is valid. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9680 A problem was encountered with the specified certificate file.

Explanation: A problem occurred when attempting to read the certificate from the file '&3'. The file may be corrupt or incorrectly formatted. The Windows error code reported is &1. The WebSphere MQ error recording routine has been called.

User Response: Ensure that the certificate file is valid and complete, and in one of the file formats supported by WebSphere MQ. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9681 The requested functionality is not supported on this system.

Explanation: An SSL function was attempted that is not supported on this system. a) importing pfx format certificate files with private key data is only supported on Windows 2000 or greater. b) a the security library installed on your system is not of the correct level and does not contain the prerequisite functions. On pre Windows 2000 systems, Internet Explorer 4.1 or greater must be installed. The WebSphere MQ error recording routine has been called.

User Response: If prerequisite software is missing, please install the necessary levels of software and retry the operation. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated

output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9682 The WebSphere MQ SSL library has not been initialized.

Explanation: The WebSphere MQ SSL library 'amqcssl.dll' has been called without it first being initialized by the calling process.

User Response: Ensure that the initialization function has been called prior to issuing any amqcssl function calls.

AMQ9683 The private key data for this certificate is not exportable.

Explanation: An attempt has been made to export the private key data from a certificate, but the properties of the certificate will not allow this. WebSphere MQ needs to be able to export private key data when copying personal certificates between certificate stores. The Windows cryptographic API returned the error code &1.

User Response: When requesting the certificate from the certificate authority, the private key data must be marked as exportable to enable WebSphere MQ to be able to copy the certificate and private key data into a WebSphere MQ store. The certificate file may need to be requested again to resolve this problem. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9684 A problem occurred while attempting to access the certificate's properties.

Explanation: The certificate issued by &3 with serial number &4, or its private key data, appears to be unusable and may be corrupt. The Windows return code &1 was generated when attempting to use this certificate. The WebSphere MQ error recording routine has been called.

User Response: Consult the Windows reference manual to determine the meaning of error &1. Check that the certificate is valid and has not been corrupted. If it is possible that the certificate or private key data is corrupt, try to remove the certificate from your system and re-import it. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9685 A problem occurred while accessing the registry.

Explanation: An error occurred while attempting to load or unload the personal registry hive (HKEY_LOCAL_USER) for the user who launched this process. The WebSphere MQ error recording routine has been called.

User Response: If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9686 An unexpected error occurred while attempting to manage a certificate store.

Explanation: The Windows cryptographic API returned error code &1 when calling the function '&3' for certificate store '&4'. The error may be due to a certificate store problem or to a general Windows problem or to a problem with a certificate in the store. The WebSphere MQ error recording routine has been called.

User Response: Consult the Windows reference manual to determine the meaning of error &1. Check that the certificate store is valid and not corrupt. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9687 The pfx password provided is invalid.

Explanation: The password supplied for importing or copying the certificate is incorrect, and the operation could not be completed.

User Response: Make sure the password is correct and try again. If the password has been forgotten or lost, the certificate will need to be regenerated or exported from the original source.

AMQ9688 The private key data for this certificate is unavailable.

Explanation: The private key data associated with this certificate is reported as being present on the system, but has failed, returning the Windows error code &1. The WebSphere MQ error recording routine has been called.

User Response: Consult the Windows reference manual to determine the meaning of error code &1. If the problem can be resolved using the manual, correct the failure and if necessary re-try the operation. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9689 An unknown error occurred deleting the store &3.

Explanation: The WebSphere MQ certificate store for queue manager &3 could not be deleted. The filename for the certificate store is &4. The Windows error code has been set to &1. The WebSphere MQ error recording routine has been called.

User Response: Consult the Windows reference manual to determine the meaning of error &1. If the problem can be resolved using the manual, correct the failure and if necessary re-try the operation. Check that the store file exists and that other processes (such as queue managers) that may be accessing the store are not running. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9690 The public key in the issuer's certificate has failed to validate the subject certificate.

Explanation: The public key in the issuer's certificate (CA or signer certificate), is used to verify the signature on the subject certificate assigned to channel &3. This verification has failed, and the subject certificate therefore cannot be used. The WebSphere MQ error recording routine has been called.

User Response: Check that the issuer's certificate is valid and available, and that it is up to date. Verify with the certificate's issuer that the subject certificate and issuer certificate should still be valid. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9691 The WebSphere MQ MQI library could not be loaded.

Explanation: The library file '&3' is expected to be available on your system, but attempts to load it have failed with Windows return code &1. The WebSphere MQ error recording routine has been called.

User Response: Ensure that the WebSphere MQ '&3' library file exists and is available on your system. Consult the Windows reference manual to determine the meaning of error code &1. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9692 The SSL library has already been initialized.

Explanation: The SSL library has already been initialized once for this process, any changes to SSL attributes will not take affect, and the original values will remain in force.

User Response: If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9693 The password provided for the LDAP server is incorrect.

Explanation: One or more of the LDAP servers used for providing CRL information to WebSphere MQ has rejected a login attempt because the password provided is incorrect. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.

User Response: Ensure that the passwords specified in the AuthInfo objects are correct for each server name provided. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9694 The DN syntax provided for an LDAP search is invalid.

Explanation: The distinguished name provided in one or more AuthInfo object definitions is invalid, and the request to a CRL LDAP server has been rejected. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.

User Response: Verify that the details supplied in the AuthInfo object definitions for this channel are correct. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9695 The username provided for the LDAP server is incorrect.

Explanation: One or more of the LDAP servers used for providing CRL information to WebSphere MQ has rejected a login attempt because the username provided does not exist. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.

User Response: Ensure that the usernames specified in the AuthInfo objects for this channel are correct for

each LDAP server name provided. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9697 WebSphere MQ Services could not be contacted on the target server.

Explanation: An attempt was made to contact the WebSphere MQ Services on the target server '&3'. The call failed with return code &1. The WebSphere MQ error recording routine has been called.

User Response: Ensure that the target server name specified is correct and that you have sufficient access rights on that server to be able to administer WebSphere MQ. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9698 An SSL security call failed during SSL handshaking.

Explanation: An SSPI call to the Secure Channel (Schannel) SSL provider failed during SSL handshaking. The failure has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.

User Response: Consult the Windows Schannel reference manual to determine the meaning of status &5 for SSPI call &4. Correct the failure and if necessary restart the channel.

AMQ9699 An unknown error occurred during an SSL security call during SSL handshaking.

Explanation: An unknown error occurred during an SSPI call to the Secure Channel (Schannel) SSL provider during SSL handshaking. The error may be due to a Windows SSL problem or to a general Windows problem or to invalid WebSphere MQ data being used in the call. The WebSphere MQ error recording routine has been called. The error has caused WebSphere MQ channel name '&3' to be closed. If the name is '????' then the name is unknown.

User Response: Consult the Windows Schannel reference manual to determine the meaning of status &5 for SSPI call &4. If the problem can be resolved using the manual, correct the failure and if necessary restart the channel. If the problem cannot be resolved then use the standard facilities supplied with your system to record the problem identifier and save the generated output files, and then contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9999

AMQ9999 Channel program ended abnormally.

Explanation: Channel program '&3' ended abnormally.

User Response: Look at previous error messages for channel program '&3' in the error files to determine the cause of the failure.

Chapter 8. API completion and reason codes

For each call, a completion code and a reason code are returned by the queue manager or by an exit routine, to indicate the success or failure of the call.

For more information about the WebSphere MQ API, see the *WebSphere MQ Application Programming Guide* and the *WebSphere MQ Application Programming Reference* manual.

Completion codes

The following is a list of the completion codes (MQCC) returned by WebSphere MQ

0 Successful completion (MQCC_OK)

The call completed fully; all output parameters have been set.

The *Reason* parameter always has the value MQRC_NONE in this case.

1 Warning (partial completion) (MQCC_WARNING)

The call completed partially. Some output parameters might have been set in addition to the *CompCode* and *Reason* output parameters.

The *Reason* parameter gives additional information.

2 Call failed (MQCC_FAILED)

The processing of the call did not complete, and the state of the queue manager is normally unchanged; exceptions are specifically noted. Only the *CompCode* and *Reason* output parameters have been set; all other parameters are unchanged.

The reason might be a fault in the application program, or it might be a result of some situation external to the program, for example the application's authority might have been revoked. The *Reason* parameter gives additional information.

Reason codes

The reason code parameter (MQRC) is a qualification to the completion code.

If there is no special reason to report, MQRC_NONE is returned. Typically, a successful call returns MQCC_OK and MQRC_NONE.

If the completion code is either MQCC_WARNING or MQCC_FAILED, the queue manager always reports a qualifying reason.

0	X'0000'	MQRC_NONE The call completed normally. The completion code (<i>CompCode</i>) is MQCC_OK. Corrective action: None.
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Completion and reason codes

900	X'0384'	<p>MQRC_APPL_FIRST</p> <p>This is the lowest value for an application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC_APPL_FIRST through MQRC_APPL_LAST to indicate particular conditions that the exit has detected.</p> <p>Corrective action: As defined by the writer of the data-conversion exit.</p>
999	X'03E7'	<p>MQRC_APPL_LAST</p> <p>This is the highest value for an application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC_APPL_FIRST through MQRC_APPL_LAST to indicate particular conditions that the exit has detected.</p> <p>Corrective action: As defined by the writer of the data-conversion exit.</p>
2001	X'07D1'	<p>MQRC_ALIAS_BASE_Q_TYPE_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the <i>BaseQName</i> in the alias queue definition resolves to a queue that is not a local queue, a local definition of a remote queue, or a cluster queue.</p> <p>Corrective action: Correct the queue definitions.</p>
2002	X'07D2'	<p>MQRC_ALREADY_CONNECTED</p> <p>An MQCONN or MQCONNX call was issued, but the application is already connected to the queue manager.</p> <p>On z/OS, this reason code occurs for batch and IMS applications only; it does not occur for CICS applications.</p> <p>On Windows, MTS objects do not receive this reason code, as additional connections to the queue manager are allowed.</p> <p>Corrective action: None. The <i>Hconn</i> parameter returned has the same value as was returned for the previous MQCONN or MQCONNX call.</p> <p>An MQCONN or MQCONNX call that returns this reason code does <i>not</i> mean that an additional MQDISC call must be issued in order to disconnect from the queue manager. If this reason code is returned because the application has been called in a situation where the connect has already been done, a corresponding MQDISC should <i>not</i> be issued, because this will cause the application that issued the original MQCONN or MQCONNX call to be disconnected as well.</p>

2003	X'07D3'	<p>MQRC_BACKED_OUT</p> <p>The current unit of work encountered a fatal error or was backed out. This occurs in the following cases:</p> <ul style="list-style-type: none"> • On an MQCMIT or MQDISC call, when the commit operation has failed and the unit of work has been backed out. All resources that participated in the unit of work have been returned to their state at the start of the unit of work. The MQCMIT or MQDISC call completes with MQCC_WARNING in this case. <p>On z/OS, this reason code occurs only for batch applications.</p> <ul style="list-style-type: none"> • On an MQGET, MQPUT, or MQPUT1 call that is operating within a unit of work, when the unit of work has already encountered an error that prevents the unit of work being committed (for example, when the log space is exhausted). The application must issue the appropriate call to back out the unit of work. For a unit of work coordinated by the queue manager, this call is the MQBACK call, although the MQCMIT call has the same effect in these circumstances. The MQGET, MQPUT, or MQPUT1 call completes with MQCC_FAILED in this case. <p>On z/OS, this case does not occur.</p> <p>Corrective action: Check the returns from previous calls to the queue manager. For example, a previous MQPUT call may have failed.</p>
2004	X'07D4'	<p>MQRC_BUFFER_ERROR</p> <p>The <i>Buffer</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The parameter pointer points to storage that cannot be accessed for the entire length specified by <i>BufferLength</i>. • For calls where <i>Buffer</i> is an output parameter: the parameter pointer points to read-only storage. <p>Corrective action: Correct the parameter.</p>
2005	X'07D5'	<p>MQRC_BUFFER_LENGTH_ERROR</p> <p>The <i>BufferLength</i> parameter is not valid, or the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason can also be returned by the MQZ_ENUMERATE_AUTHORITY_DATA installable service component when the <i>AuthorityBuffer</i> parameter is too small to accommodate the data to be returned to the invoker of the service component.</p> <p>Corrective action: Specify a value that is zero or greater. For the mqAddString and mqSetString calls, the special value MQBL_NULL_TERMINATED is also valid.</p>
2006	X'07D6'	<p>MQRC_CHAR_ATTR_LENGTH_ERROR</p> <p><i>CharAttrLength</i> is negative (for MQINQ or MQSET calls), or is not large enough to hold all selected attributes (MQSET calls only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value large enough to hold the concatenated strings for all selected attributes.</p>

Completion and reason codes

2007	X'07D7'	<p>MQRC_CHAR_ATTRS_ERROR</p> <p><i>CharAttrs</i> is not valid. The parameter pointer is not valid, or points to read-only storage for MQINQ calls or to storage that is not as long as implied by <i>CharAttrLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2008	X'07D8'	<p>MQRC_CHAR_ATTRS_TOO_SHORT</p> <p>For MQINQ calls, <i>CharAttrLength</i> is not large enough to contain all of the character attributes for which MQCA_* selectors are specified in the <i>Selectors</i> parameter.</p> <p>The call still completes, with the <i>CharAttrs</i> parameter string filled in with as many character attributes as there is room for. Only complete attribute strings are returned: if there is insufficient space remaining to accommodate an attribute in its entirety, that attribute and subsequent character attributes are omitted. Any space at the end of the string not used to hold an attribute is unchanged.</p> <p>An attribute that represents a set of values (for example, the namelist <i>Names</i> attribute) is treated as a single entity—either all of its values are returned, or none.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2009	X'07D9'	<p>MQRC_CONNECTION_BROKEN</p> <p>Connection to the queue manager has been lost. This can occur because the queue manager has ended. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled. All connection and object handles are now invalid.</p> <p>For WebSphere MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a <i>CompCode</i> of MQCC_FAILED.</p> <p>Corrective action: Applications can attempt to reconnect to the queue manager by issuing the MQCONN or MQCONNX call. It may be necessary to poll until a successful response is received.</p> <p>On z/OS for CICS applications, it is not necessary to issue the MQCONN or MQCONNX call, because CICS applications are connected automatically.</p> <p>Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2010	X'07DA'	<p>MQRC_DATA_LENGTH_ERROR</p> <p>The <i>DataLength</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason can also be returned to an MQ client program on the MQGET, MQPUT, or MQPUT1 call, if the <i>BufferLength</i> parameter exceeds the maximum message size that was negotiated for the client channel.</p> <p>Corrective action: Correct the parameter.</p> <p>If the error occurs for a WebSphere MQ client program, also check that the maximum message size for the channel is big enough to accommodate the message being sent; if it is not big enough, increase the maximum message size for the channel.</p>

2011	X'07DB'	<p>MQRC_DYNAMIC_Q_NAME_ERROR</p> <p>On the MQOPEN call, a model queue is specified in the <i>ObjectName</i> field of the <i>ObjDesc</i> parameter, but the <i>DynamicQName</i> field is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>DynamicQName</i> is completely blank (or blank up to the first null character in the field). • Characters are present that are not valid for a queue name. • An asterisk is present beyond the 33rd position (and before any null character). • An asterisk is present followed by characters that are not null and not blank. <p>This reason code can also sometimes occur when a server application opens the reply queue specified by the <i>ReplyToQ</i> and <i>ReplyToQMGr</i> fields in the MQMD of a message that the server has just received. In this case the reason code indicates that the application that sent the original message placed incorrect values into the <i>ReplyToQ</i> and <i>ReplyToQMGr</i> fields in the MQMD of the original message.</p> <p>Corrective action: Specify a valid name.</p>
2012	X'07DC'	<p>MQRC_ENVIRONMENT_ERROR</p> <p>The call is not valid for the current environment.</p> <ul style="list-style-type: none"> • On z/OS, one of the following applies: <ul style="list-style-type: none"> – An MQCONN or MQCONNX call was issued, but the application has been linked with an adapter that is not supported in the environment in which the application is running. For example, this can arise when the application is linked with the WebSphere MQ RRS adapter, but the application is running in a DB2 Stored Procedure address space. RRS is not supported in this environment. Stored Procedures wishing to use the WebSphere MQ RRS adapter must run in a DB2 WLM-managed Stored Procedure address space. – An MQCMIT or MQBACK call was issued, but the application has been linked with the RRS batch adapter CSQBRSTB. This adapter does not support the MQCMIT and MQBACK calls. – An MQCMIT or MQBACK call was issued in the CICS or IMS environment. – The RRS subsystem is not up and running on the z/OS system that ran the application. • On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, UNIX systems, and Windows, one of the following applies: <ul style="list-style-type: none"> – The application is linked to the wrong libraries (threaded or nonthreaded). – An MQBEGIN, MQCMIT, or MQBACK call was issued, but an external unit-of-work manager is in use. For example, this reason code occurs on Windows when an MTS object is running as a DTC transaction. This reason code also occurs if the queue manager does not support units of work. – The MQBEGIN call was issued in a WebSphere MQ client environment. – An MQXCLWLN call was issued, but the call did not originate from a cluster workload exit. <p>Corrective action: Do one of the following (as appropriate):</p> <ul style="list-style-type: none"> • On z/OS: <ul style="list-style-type: none"> – Link the application with the correct adapter. – Modify the application to use the SRRCMIT and SRRBACK calls in place of the MQCMIT and MQBACK calls. Alternatively, link the application with the RRS batch adapter CSQBRRSI. This adapter supports MQCMIT and MQBACK in addition to SRRCMIT and SRRBACK. – Modify the application to use the SRRCMIT and SRRBACK calls in place of the MQCMIT and MQBACK calls. Alternatively, link the application with the RRS batch adapter CSQBRRSI. This adapter supports MQCMIT and MQBACK in addition to SRRCMIT and SRRBACK. – For a CICS or IMS application, issue the appropriate CICS or IMS call to commit or backout the unit of work. – Start the RRS subsystem on the z/OS system that is running the application. • In the other environments: <ul style="list-style-type: none"> – Link the application with the correct libraries (threaded or nonthreaded). – Remove from the application the call that is not supported.

Completion and reason codes

2013	X'07DD'	<p>MQRC_EXPIRY_ERROR</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Expiry</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify a value that is greater than zero, or the special value MQEI_UNLIMITED.</p>
2014	X'07DE'	<p>MQRC_FEEDBACK_ERROR</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Feedback</i> field in the message descriptor MQMD is not valid. The value is not MQFB_NONE, and is outside both the range defined for system feedback codes and the range defined for application feedback codes.</p> <p>Corrective action: Specify MQFB_NONE, or a value in the range MQFB_SYSTEM_FIRST through MQFB_SYSTEM_LAST, or MQFB_APPL_FIRST through MQFB_APPL_LAST.</p>
2016	X'07E0'	<p>MQRC_GET_INHIBITED</p> <p>MQGET calls are currently inhibited for the queue, or for the queue to which this queue resolves.</p> <p>Corrective action: If the system design allows get requests to be inhibited for short periods, retry the operation later.</p>
2017	X'07E1'	<p>MQRC_HANDLE_NOT_AVAILABLE</p> <p>An MQOPEN or MQPUT1 call was issued, but the maximum number of open handles allowed for the current task has already been reached. Be aware that when a distribution list is specified on the MQOPEN or MQPUT1 call, each queue in the distribution list uses one handle.</p> <p>On z/OS, "task" means a CICS task, a z/OS task, or an IMS-dependent region.</p> <p>Corrective action: Check whether the application is issuing MQOPEN calls without corresponding MQCLOSE calls. If it is, modify the application to issue the MQCLOSE call for each open object as soon as that object is no longer needed.</p> <p>Also check whether the application is specifying a distribution list containing a large number of queues that are consuming all of the available handles. If it is, increase the maximum number of handles that the task can use, or reduce the size of the distribution list. The maximum number of open handles that a task can use is given by the <i>MaxHandles</i> queue manager attribute.</p>
2018	X'07E2'	<p>MQRC_HCONN_ERROR</p> <p>The connection handle <i>Hconn</i> is not valid. If the handle is a shareable handle, the handle may have been made invalid by another thread issuing the MQDISC call using that handle. If the handle is a nonshareable handle, the call may have been issued by a thread that did not create the handle. This reason also occurs if the parameter pointer is not valid, or (for the MQCONN or MQCONN call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason code can also occur in an MTS environment when trying to use a connection handle in a situation where it is not valid, such as passing the handle between processes or packages. (Passing the connection handle between library packages <i>is</i> supported.)</p> <p>Corrective action: Ensure that a successful MQCONN or MQCONN call is performed for the queue manager, and that an MQDISC call has not already been performed for it. Ensure that the handle is being used within its valid scope.</p> <p>On z/OS, also check that the application has been linked with the correct stub; this is CSQCSTUB for CICS® applications, CSQBSTUB for batch applications, and CSQQSTUB for IMS™ applications. Also, the stub used must not belong to a release of WebSphere MQ that is more recent than the release on which the application will run.</p>

Completion and reason codes

2019	X'07E3'	<p>MQRC_HOBJ_ERROR</p> <p>The object handle <i>Hobj</i> is not valid. If the handle is a shareable handle, the handle may have been made invalid by another thread issuing the MQCLOSE call using that handle. If the handle is a nonshareable handle, the call may have been issued by a thread that did not create the handle. This reason also occurs if the parameter pointer is not valid, or (for the MQOPEN call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Ensure that a successful MQOPEN call is performed for this object, and that an MQCLOSE call has not already been performed for it. For MQGET and MQPUT calls, also ensure that the handle represents a queue object. Ensure that the handle is being used within its valid scope.</p>
2020	X'07E4'	<p>MQRC_INHIBIT_VALUE_ERROR</p> <p>On an MQSET call, the value specified for either the MQIA_INHIBIT_GET attribute or the MQIA_INHIBIT_PUT attribute is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2021	X'07E5'	<p>MQRC_INT_ATTR_COUNT_ERROR</p> <p>On an MQINQ or MQSET call, the <i>IntAttrCount</i> parameter is negative (MQINQ or MQSET), or smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> parameter (MQSET only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value large enough for all selected integer attributes.</p>
2022	X'07E6'	<p>MQRC_INT_ATTR_COUNT_TOO_SMALL</p> <p>On an MQINQ call, the <i>IntAttrCount</i> parameter is smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> parameter.</p> <p>The call completes with MQCC_WARNING, with the <i>IntAttrs</i> array filled in with as many integer attributes as there is room for.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2023	X'07E7'	<p>MQRC_INT_ATTRS_ARRAY_ERROR</p> <p>On an MQINQ or MQSET call, the <i>IntAttrs</i> parameter is not valid. The parameter pointer is not valid (MQINQ and MQSET), or points to read-only storage or to storage that is not as long as indicated by the <i>IntAttrCount</i> parameter (MQINQ only). (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>

Completion and reason codes

2024	X'07E8'	<p>MQRC_SYNCPOINT_LIMIT_REACHED</p> <p>An MQGET, MQPUT, or MQPUT1 call failed because it would have caused the number of uncommitted messages in the current unit of work to exceed the limit defined for the queue manager (see the <i>MaxUncommittedMsgs</i> queue-manager attribute). The number of uncommitted messages is the sum of the following since the start of the current unit of work:</p> <ul style="list-style-type: none"> • Messages put by the application with the MQPMO_SYNCPOINT option • Messages retrieved by the application with the MQGMO_SYNCPOINT option • Trigger messages and COA report messages generated by the queue manager for messages put with the MQPMO_SYNCPOINT option • COD report messages generated by the queue manager for messages retrieved with the MQGMO_SYNCPOINT option • On Compaq NonStop Kernel, this reason code occurs when the maximum number of I/O operations in a single TM/MP transaction has been exceeded. <p>Corrective action: Check whether the application is looping. If it is not, consider reducing the complexity of the application. Alternatively, increase the queue-manager limit for the maximum number of uncommitted messages within a unit of work.</p> <ul style="list-style-type: none"> • On z/OS, the limit for the maximum number of uncommitted messages can be changed by using the ALTER QMGR command. • On OS/400, the limit for the maximum number of uncommitted messages can be changed by using the CHGMQM command. • On Compaq NonStop Kernel, the application should cancel the transaction and retry with a smaller number of operations in the unit of work. See the <i>MQSeries for Tandem NonStop Kernel System Management Guide</i> for more details.
2025	X'07E9'	<p>MQRC_MAX_CONNS_LIMIT_REACHED</p> <p>The MQCONN or MQCONNX call was rejected because the maximum number of concurrent connections has been exceeded.</p> <ul style="list-style-type: none"> • On z/OS, connection limits are applicable only to TSO and batch requests. The limits are determined by the customer using the following parameters of the CSQ6SYSP macro: <ul style="list-style-type: none"> – For TSO: IDFORE – For batch: IDBACK <p>For more information, see the <i>WebSphere MQ for z/OS System Setup Guide</i>.</p> <ul style="list-style-type: none"> • On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, UNIX systems, and Windows, this reason code can also occur on the MQOPEN call. <p>Corrective action: Either increase the size of the appropriate install parameter value, or reduce the number of concurrent connections.</p>
2026	X'07EA'	<p>MQRC_MD_ERROR</p> <p>The MQMD structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQMD_STRUC_ID. • The <i>Version</i> field specifies a value that is not valid or not supported. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the message descriptor. Ensure that required input fields are correctly set.</p>

2027	X'07EB'	<p>MQRC_MISSING_REPLY_TO_Q</p> <p>On an MQPUT or MQPUT1 call, the <i>ReplyToQ</i> field in the message descriptor MQMD is blank, but one or both of the following is true:</p> <ul style="list-style-type: none"> • A reply was requested (that is, MQMT_REQUEST was specified in the <i>MsgType</i> field of the message descriptor). • A report message was requested in the <i>Report</i> field of the message descriptor. <p>Corrective action: Specify the name of the queue to which the reply message or report message is to be sent.</p>
2029	X'07ED'	<p>MQRC_MSG_TYPE_ERROR</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>MsgType</i> field in the message descriptor (MQMD) is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2030	X'07EE'	<p>MQRC_MSG_TOO_BIG_FOR_Q</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue and MQMF_SEGMENTATION_ALLOWED was not specified in the <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue <i>MaxMsgLength</i> attribute and queue-manager <i>MaxMsgLength</i> attribute.</p> <ul style="list-style-type: none"> • On z/OS, the queue manager does not support the segmentation of messages; if MQMF_SEGMENTATION_ALLOWED is specified, it is accepted but ignored. <p>This reason code can also occur when MQMF_SEGMENTATION_ALLOWED is specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough to place on the queue:</p> <ul style="list-style-type: none"> • For a user-defined format, the smallest segment that the queue manager can create is 16 bytes. • For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT_STRING (for MQFMT_STRING the minimum segment size is 16 bytes). <p>MQRC_MSG_TOO_BIG_FOR_Q can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul style="list-style-type: none"> • Increase the value of the queue's <i>MaxMsgLength</i> attribute; the queue-manager's <i>MaxMsgLength</i> attribute may also need increasing. • Break the message into several smaller messages. • Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments. <p>Note: Automatic message segmentation is not supported on z/OS.</p>

Completion and reason codes

2031	X'07EF'	<p data-bbox="396 180 818 212">MQRC_MSG_TOO_BIG_FOR_Q_MGR</p> <p data-bbox="396 233 1419 348">An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue manager and MQMF_SEGMENTATION_ALLOWED was not specified in the <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue and queue-manager <i>MaxMsgLength</i> attributes.</p> <p data-bbox="396 369 1419 457">This reason code can also occur when MQMF_SEGMENTATION_ALLOWED is specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough for the queue-manager limit:</p> <ul data-bbox="396 464 1419 604" style="list-style-type: none"><li data-bbox="396 464 1419 516">• For a user-defined format, the smallest segment that the queue manager can create is 16 bytes.<li data-bbox="396 522 1419 604">• For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT_STRING (for MQFMT_STRING the minimum segment size is 16 bytes). <p data-bbox="396 625 1419 714">MQRC_MSG_TOO_BIG_FOR_Q_MGR can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p data-bbox="396 735 1419 823">This reason also occurs if a channel, through which the message is to pass, has restricted the maximum message length to a value that is actually less than that supported by the queue manager, and the message length is greater than this value.</p> <p data-bbox="396 844 1419 905">On z/OS, this return code is issued only if you are using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_CHANNEL is issued.</p> <p data-bbox="396 926 1419 987">Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul data-bbox="396 993 1419 1157" style="list-style-type: none"><li data-bbox="396 993 1419 1045">• Increase the value of the queue-manager's <i>MaxMsgLength</i> attribute; the queue's <i>MaxMsgLength</i> attribute may also need increasing.<li data-bbox="396 1052 1419 1077">• Break the message into several smaller messages.<li data-bbox="396 1083 1419 1136">• Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments.<li data-bbox="396 1142 1419 1157">• Check the channel definitions.
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2033	X'07F1'	<p>MQRC_NO_MSG_AVAILABLE</p> <p>An MQGET call was issued, but there is no message on the queue satisfying the selection criteria specified in MQMD (the <i>MsgId</i> and <i>CorrelId</i> fields), and in MQGMO (the <i>Options</i> and <i>MatchOptions</i> fields). Either the MQGMO_WAIT option was not specified, or the time interval specified by the <i>WaitInterval</i> field in MQGMO has expired. This reason is also returned for an MQGET call for browse, when the end of the queue has been reached.</p> <p>This reason code can also be returned by the mqGetBag and mqExecute calls. mqGetBag is similar to MQGET. For the mqExecute call, the completion code can be either MQCC_WARNING or MQCC_FAILED:</p> <ul style="list-style-type: none"> • If the completion code is MQCC_WARNING, some response messages were received during the specified wait interval, but not all. The response bag contains system-generated nested bags for the messages that were received. • If the completion code is MQCC_FAILED, no response messages were received during the specified wait interval. <p>Corrective action: If this is an expected condition, no corrective action is required.</p> <p>If this is an unexpected condition, check that:</p> <ul style="list-style-type: none"> • The message was put on the queue successfully. • The unit of work (if any) used for the MQPUT or MQPUT1 call was committed successfully. • The options controlling the selection criteria are specified correctly. All of the following can affect the eligibility of a message for return on the MQGET call: <ul style="list-style-type: none"> MQGMO_LOGICAL_ORDER MQGMO_ALL_MSGS_AVAILABLE MQGMO_ALL_SEGMENTS_AVAILABLE MQGMO_COMPLETE_MSG MQMO_MATCH_MSG_ID MQMO_MATCH_CORREL_ID MQMO_MATCH_GROUP_ID MQMO_MATCH_MSG_SEQ_NUMBER MQMO_MATCH_OFFSET Value of <i>MsgId</i> field in MQMD Value of <i>CorrelId</i> field in MQMD <p>Consider waiting longer for the message.</p>
2034	X'07F2'	<p>MQRC_NO_MSG_UNDER_CURSOR</p> <p>An MQGET call was issued with either the MQGMO_MSG_UNDER_CURSOR or the MQGMO_BROWSE_MSG_UNDER_CURSOR option. However, the browse cursor is not positioned at a retrievable message. This is caused by one of the following:</p> <ul style="list-style-type: none"> • The cursor is positioned logically before the first message (as it is before the first MQGET call with a browse option has been successfully performed). • The message the browse cursor was positioned on has been locked or removed from the queue (probably by some other application) since the browse operation was performed. • The message the browse cursor was positioned on has expired. <p>Corrective action: Check the application logic. This may be an expected reason if the application design allows multiple servers to compete for messages after browsing. Consider also using the MQGMO_LOCK option with the preceding browse MQGET call.</p>

Completion and reason codes

2035	X'07F3'	<p>MQRC_NOT_AUTHORIZED</p> <p>The user is not authorized to perform the operation attempted:</p> <ul style="list-style-type: none"> On an MQCONN or MQCONNX call, the user is not authorized to connect to the queue manager. On z/OS, for CICS applications, MQRC_CONNECTION_NOT_AUTHORIZED is issued instead. On an MQOPEN or MQPUT1 call, the user is not authorized to open the object for the option(s) specified. On z/OS, if the object being opened is a model queue, this reason also arises if the user is not authorized to create a dynamic queue with the required name. On an MQCLOSE call, the user is not authorized to delete the object, which is a permanent dynamic queue, and the <i>Hobj</i> parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue. <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Ensure that the correct queue manager or object was specified, and that appropriate authority exists.</p> <p>On z/OS, to determine for which object you are not authorized, you can use the violation messages issued by the External Security Manager.</p>
2036	X'07F4'	<p>MQRC_NOT_OPEN_FOR_BROWSE</p> <p>An MQGET call was issued with one of the following options: MQGMO_BROWSE_FIRST MQGMO_BROWSE_NEXT MQGMO_BROWSE_MSG_UNDER_CURSOR MQGMO_MSG_UNDER_CURSOR</p> <p>but the queue had not been opened for browse.</p> <p>Corrective action: Specify MQOO_BROWSE when the queue is opened.</p>
2037	X'07F5'	<p>MQRC_NOT_OPEN_FOR_INPUT</p> <p>An MQGET call was issued to retrieve a message from a queue, but the queue had not been opened for input.</p> <p>Corrective action: Specify one of the following when the queue is opened: MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_INPUT_AS_Q_DEF</p>
2038	X'07F6'	<p>MQRC_NOT_OPEN_FOR_INQUIRE</p> <p>An MQINQ call was issued to inquire object attributes, but the object had not been opened for inquire.</p> <p>Corrective action: Specify MQOO_INQUIRE when the object is opened.</p>
2039	X'07F7'	<p>MQRC_NOT_OPEN_FOR_OUTPUT</p> <p>An MQPUT call was issued to put a message on a queue, but the queue had not been opened for output.</p> <p>Corrective action: Specify MQOO_OUTPUT when the queue is opened.</p>

Completion and reason codes

2040	X'07F8'	<p>MQRC_NOT_OPEN_FOR_SET</p> <p>An MQSET call was issued to set queue attributes, but the queue had not been opened for set.</p> <p>Corrective action: Specify MQOO_SET when the object is opened.</p>
2041	X'07F9'	<p>MQRC_OBJECT_CHANGED</p> <p>Object definitions that affect this object have been changed since the <i>Hobj</i> handle used on this call was returned by the MQOPEN call.</p> <p>This reason does not occur if the object handle is specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter on the MQPUT or MQPUT1 call.</p> <p>Corrective action: Issue an MQCLOSE call to return the handle to the system. It is then usually sufficient to reopen the object and retry the operation. However, if the object definitions are critical to the application logic, an MQINQ call can be used after reopening the object, to obtain the new values of the object attributes.</p>
2042	X'07FA'	<p>MQRC_OBJECT_IN_USE</p> <p>An MQOPEN call was issued, but the object in question has already been opened by this or another application with options that conflict with those specified in the <i>Options</i> parameter. This arises if the request is for shared input, but the object is already open for exclusive input; it also arises if the request is for exclusive input, but the object is already open for input (of any sort).</p> <p>MCAs for receiver channels, or the intra-group queuing (IGQ) agent, may keep the destination queues open even when messages are not being transmitted; this results in the queues appearing to be “in use”. Use the WebSphere MQ command DISPLAY QSTATUS to find out what is keeping the queues open.</p> <p>On z/OS, this reason can also occur for an MQOPEN or MQPUT1 call, if the object to be opened (which can be a queue, or for MQOPEN a namelist or process object) is in the process of being deleted.</p> <p>Corrective action: System design should specify whether an application is to wait and retry, or take other action.</p>
2043	X'07FB'	<p>MQRC_OBJECT_TYPE_ERROR</p> <p>On the MQOPEN or MQPUT1 call, the <i>ObjectType</i> field in the object descriptor MQOD specifies a value that is not valid. For the MQPUT1 call, the object type must be MQOT_Q.</p> <p>Corrective action: Specify a valid object type.</p>
2044	X'07FC'	<p>MQRC_OD_ERROR</p> <p>On the MQOPEN or MQPUT1 call, the object descriptor MQOD is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQOD_STRUC_ID. • The <i>Version</i> field specifies a value that is not valid or not supported. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the object descriptor. Ensure that required input fields are set correctly.</p>

Completion and reason codes

2045	X'07FD'	<p>MQRC_OPTION_NOT_VALID_FOR_TYPE</p> <p>On an MQOPEN or MQCLOSE call, an option is specified that is not valid for the type of object or queue being opened or closed.</p> <p>For the MQOPEN call, this includes the following cases:</p> <ul style="list-style-type: none"> • An option that is inappropriate for the object type (for example, MQOO_OUTPUT for an MQOT_PROCESS object). • An option that is unsupported for the queue type (for example, MQOO_INQUIRE for a remote queue that has no local definition). • One or more of the following options: <ul style="list-style-type: none"> MQOO_INPUT_AS_Q_DEF MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_BROWSE MQOO_INQUIRE MQOO_SET <p>when either:</p> <ul style="list-style-type: none"> – the queue name is resolved through a cell directory, or – <i>ObjectQMgrName</i> in the object descriptor specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and the queue named in the <i>RemoteQMgrName</i> attribute of the definition is the name of the local queue manager. <p>For the MQCLOSE call, this includes the following case: The MQCO_DELETE or MQCO_DELETE_PURGE option when the queue is not a dynamic queue.</p> <p>This reason code can also occur on the MQOPEN call when the object being opened is of type MQOT_NAMELIST, MQOT_PROCESS, or MQOT_Q_MGR, but the <i>ObjectQMgrName</i> field in MQOD is neither blank nor the name of the local queue manager.</p> <p>Corrective action: Specify the correct option; see the <i>WebSphere MQ Application Programming Reference</i> for more information. For the MQOPEN call, ensure that the <i>ObjectQMgrName</i> field is set correctly. For the MQCLOSE call, either correct the option or change the definition type of the model queue that is used to create the new queue.</p>
2046	X'07FE'	<p>MQRC_OPTIONS_ERROR</p> <p>The <i>Options</i> parameter or field contains options that are not valid, or a combination of options that is not valid.</p> <ul style="list-style-type: none"> • For the MQOPEN, MQCLOSE, MQXCNVC, mqBagToBuffer, mqBufferToBag, mqCreateBag, and mqExecute calls, <i>Options</i> is a separate parameter on the call. <ul style="list-style-type: none"> This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • For the MQBEGIN, MQCONN, MQGET, MQPUT, and MQPUT1 calls, <i>Options</i> is a field in the relevant options structure (MQBO, MQCNO, MQGMO, or MQPMO). <p>Corrective action: Specify valid options. Check the description of the <i>Options</i> parameter or field to determine which options and combinations of options are valid. If multiple options are being set by adding the individual options together, ensure that the same option is not added twice.</p>
2047	X'07FF'	<p>MQRC_PERSISTENCE_ERROR</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify one of the following values:</p> <ul style="list-style-type: none"> MQPER_PERSISTENT MQPER_NOT_PERSISTENT MQPER_PERSISTENCE_AS_Q_DEF

2048	X'0800'	<p>MQRC_PERSISTENT_NOT_ALLOWED</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in MQMD (or obtained from the <i>DefPersistence</i> queue attribute) specifies MQPER_PERSISTENT, but the queue on which the message is being placed does not support persistent messages. Persistent messages cannot be placed on:</p> <ul style="list-style-type: none"> • Temporary dynamic queues • Non-recoverable shared queues <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Specify MQPER_NOT_PERSISTENT if the message is to be placed on a temporary dynamic queue or a non-recoverable shared queue. If persistence is required, use a permanent dynamic queue or predefined queue in place of a temporary dynamic queue. For shared queues, ensure that the queue is recoverable.</p> <p>Be aware that server applications are recommended to send reply messages (message type MQMT_REPLY) with the same persistence as the original request message (message type MQMT_REQUEST). If the request message is persistent, the reply queue specified in the <i>ReplyToQ</i> field in the message descriptor MQMD cannot be a temporary dynamic queue; a permanent dynamic or predefined queue must be used as the reply queue in this situation.</p>
2049	X'0801'	<p>MQRC_PRIORITY_EXCEEDS_MAXIMUM</p> <p>An MQPUT or MQPUT1 call was issued, but the value of the <i>Priority</i> field in the message descriptor MQMD exceeds the maximum priority supported by the local queue manager. The message is accepted by the queue manager, but is placed on the queue at the queue manager's maximum priority. The <i>Priority</i> field in the message descriptor retains the value specified by the application that put the message.</p> <p>Corrective action: None required, unless this reason code was not expected by the application that put the message.</p>
2050	X'0802'	<p>MQRC_PRIORITY_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the value of the <i>Priority</i> field in the message descriptor MQMD is not valid. The maximum priority supported by the queue manager is given by the <i>MaxPriority</i> queue-manager attribute.</p> <p>Corrective action: Specify a value in the range zero through <i>MaxPriority</i>, or the special value MQPRI_PRIORITY_AS_Q_DEF.</p>
2051	X'0803'	<p>MQRC_PUT_INHIBITED</p> <p>MQPUT and MQPUT1 calls are currently inhibited for the queue, or for the queue to which this queue resolves.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: If the system design allows put requests to be inhibited for short periods, retry the operation later.</p>

Completion and reason codes

2052	X'0804'	<p>MQRC_Q_DELETED</p> <p>An <i>Hobj</i> queue handle specified on a call refers to a dynamic queue that has been deleted since the queue was opened.</p> <p>On z/OS, this can also occur with the MQOPEN and MQPUT1 calls if a dynamic queue is being opened, but the queue is in a logically-deleted state. See MQCLOSE for more information about this.</p> <p>Corrective action: Issue an MQCLOSE call to return the handle and associated resources to the system (the MQCLOSE call will succeed in this case). Check the design of the application that caused the error.</p>
2053	X'0805'	<p>MQRC_Q_FULL</p> <p>On an MQPUT or MQPUT1 call, the call failed because the queue is full, that is, it already contains the maximum number of messages possible.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Retry the operation later. Consider increasing the maximum depth for this queue, or arranging for more instances of the application to service the queue.</p>
2055	X'0807'	<p>MQRC_Q_NOT_EMPTY</p> <p>An MQCLOSE call was issued for a permanent dynamic queue, but the call failed because the queue is not empty or still in use. One of the following applies:</p> <ul style="list-style-type: none"> • The MQCO_DELETE option was specified, but there are messages on the queue. • The MQCO_DELETE or MQCO_DELETE_PURGE option was specified, but there are uncommitted get or put calls outstanding against the queue. <p>See the usage notes pertaining to dynamic queues for the MQCLOSE call for more information.</p> <p>This reason code is also returned from a Programmable Command Format (PCF) command to clear or delete a queue, if the queue contains uncommitted messages (or committed messages in the case of delete queue without the purge option).</p> <p>Corrective action: Check why there might be messages on the queue. Be aware that the <i>CurrentQDepth</i> queue attribute might be zero even though there are one or more messages on the queue; this can happen if the messages have been retrieved as part of a unit of work that has not yet been committed. If the messages can be discarded, try using the MQCLOSE call with the MQCO_DELETE_PURGE option. Consider retrying the call later.</p>
2056	X'0808'	<p>MQRC_Q_SPACE_NOT_AVAILABLE</p> <p>An MQPUT or MQPUT1 call was issued, but there is no space available for the queue on disk or other storage device.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Check whether an application is putting messages in an infinite loop. If not, make more disk space available for the queue.</p>

2057	X'0809'	<p>MQRC_Q_TYPE_ERROR</p> <p>One of the following occurred:</p> <ul style="list-style-type: none"> • On an MQOPEN call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD or object record MQOR specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and in that local definition the <i>RemoteQMgrName</i> attribute is the name of the local queue manager. However, the <i>ObjectName</i> field in MQOD or MQOR specifies the name of a model queue on the local queue manager; this is not allowed. See the <i>WebSphere MQ Application Programming Guide</i> for more information. • On an MQPUT1 call, the object descriptor MQOD or object record MQOR specifies the name of a model queue. • On a previous MQPUT or MQPUT1 call, the <i>ReplyToQ</i> field in the message descriptor specified the name of a model queue, but a model queue cannot be specified as the destination for reply or report messages. Only the name of a predefined queue, or the name of the <i>dynamic</i> queue created from the model queue, can be specified as the destination. In this situation the reason code MQRC_Q_TYPE_ERROR is returned in the <i>Reason</i> field of the MQDLH structure when the reply message or report message is placed on the dead-letter queue. <p>Corrective action: Specify a valid queue.</p>
2058	X'080A'	<p>MQRC_Q_MGR_NAME_ERROR</p> <p>On an MQCONN or MQCONNX call, the value specified for the <i>QMgrName</i> parameter is not valid or not known. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>On z/OS for CICS applications, this reason can occur on <i>any</i> call if the original connect specified an incorrect or unrecognized name.</p> <p>This reason code can also occur if a WebSphere MQ client application attempts to connect to a queue manager within a WebSphere MQ-client queue-manager group (see the <i>QMgrName</i> parameter of MQCONN), and either:</p> <ul style="list-style-type: none"> • Queue-manager groups are not supported. • There is no queue-manager group with the specified name. <p>Corrective action: Use an all-blank name if possible, or verify that the name used is valid.</p>

Completion and reason codes

2059	X'080B'	<p>MQRC_Q_MGR_NOT_AVAILABLE</p> <p>On an MQCONN or MQCONNX call, the queue manager identified by the <i>QMgrName</i> parameter is not available for connection.</p> <ul style="list-style-type: none"> • On z/OS: <ul style="list-style-type: none"> – For batch applications, this reason can be returned to applications running in non-WebSphere MQ LPARs. – For CICS applications, this reason can occur on <i>any</i> call if the original connect specified a queue manager whose name was recognized, but which is not available. • On OS/400, this reason can also be returned by the MQOPEN and MQPUT1 calls, when MQHC_DEF_HCONN is specified for the <i>Hconn</i> parameter by an application running in compatibility mode. <p>This reason code can also occur if a WebSphere MQ client application attempts to connect to a queue manager within a WebSphere MQ client queue-manager group when none of the queue managers in the group is available for connection (see the <i>QMgrName</i> parameter of the MQCONN call).</p> <p>This reason code can also occur if the call is issued by a WebSphere MQ client application and there is an error with the client-connection or the corresponding server-connection channel definitions.</p> <p>On z/OS, this reason code can also occur if the optional OS/390[®] client attachment feature has not been installed.</p> <p>Corrective action: Ensure that the queue manager has been started. If the connection is from a client application, check the channel definitions.</p>
2061	X'080D'	<p>MQRC_REPORT_OPTIONS_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options that are not recognized by the local queue manager. The options that cause this reason code to be returned depend on the destination of the message.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the report options specified by the sender of the message.</p> <p>Corrective action: Do the following:</p> <ul style="list-style-type: none"> • Ensure that the <i>Report</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQRO_NONE if no report options are required. • Ensure that the report options specified are ones that are documented in the <i>WebSphere MQ Application Programming Reference</i>. Remove any report options that are not documented in this book. • If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. • Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2062	X'080E'	<p>MQRC_SECOND_MARK_NOT_ALLOWED</p> <p>An MQGET call was issued specifying the MQGMO_MARK_SKIP_BACKOUT option in the <i>Options</i> field of MQGMO, but a message has already been marked within the current unit of work. Only one marked message is allowed within each unit of work.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Modify the application so that no more than one message is marked within each unit of work.</p>

Completion and reason codes

2063	X'080F'	<p>MQRC_SECURITY_ERROR</p> <p>An MQCONN, MQCONNX, MQOPEN, MQPUT1, or MQCLOSE call was issued, but it failed because a security error occurred.</p> <p>On z/OS, the security error was returned by the External Security Manager.</p> <p>Corrective action: Note the error from the security manager, and contact your system programmer or security administrator.</p> <p>On OS/400, the FFST log will contain the error information.</p>
2065	X'0811'	<p>MQRC_SELECTOR_COUNT_ERROR</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> parameter specifies a value that is not valid. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value in the range 0 through 256.</p>
2066	X'0812'	<p>MQRC_SELECTOR_LIMIT_EXCEEDED</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> parameter specifies a value that is larger than the maximum supported (256).</p> <p>Corrective action: Reduce the number of selectors specified on the call; the valid range is 0 through 256.</p>
2067	X'0813'	<p>MQRC_SELECTOR_ERROR</p> <p>An MQINQ or MQSET call was issued, but the <i>Selectors</i> array contains a selector that is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The selector is not supported or out of range. • The selector is not applicable to the type of object whose attributes are being inquired or set. • The selector is for an attribute that cannot be set. <p>This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Ensure that the value specified for the selector is valid for the object type represented by <i>Hobj</i>. For the MQSET call, also ensure that the selector represents an integer attribute that can be set.</p>
2068	X'0814'	<p>MQRC_SELECTOR_NOT_FOR_TYPE</p> <p>On the MQINQ call, one or more selectors in the <i>Selectors</i> array is not applicable to the type of the queue whose attributes are being inquired.</p> <p>This reason also occurs when the queue is a cluster queue that resolved to a remote instance of the queue. In this case only a subset of the attributes that are valid for local queues can be inquired.</p> <p>The call completes with MQCC_WARNING, with the attribute values for the inapplicable selectors set as follows:</p> <ul style="list-style-type: none"> • For integer attributes, the corresponding elements of <i>IntAttrs</i> are set to MQIAV_NOT_APPLICABLE. • For character attributes, the appropriate parts of the <i>CharAttrs</i> string are set to a character string consisting entirely of asterisks (*). <p>Corrective action: Verify that the selector specified is the one that was intended.</p> <p>If the queue is a cluster queue, specifying one of the MQOO_BROWSE, MQOO_INPUT_*, or MQOO_SET options in addition to MQOO_INQUIRE forces the queue to resolve to the local instance of the queue. However, if there is no local instance of the queue the MQOPEN call fails.</p>

Completion and reason codes

2069	X'0815'	<p>MQRC_SIGNAL_OUTSTANDING</p> <p>An MQGET call was issued with either the MQGMO_SET_SIGNAL or MQGMO_WAIT option, but there is already a signal outstanding for the queue handle <i>Hobj</i>.</p> <p>This reason code occurs only in the following environments: z/OS, Windows systems.</p> <p>Corrective action: Check the application logic. If it is necessary to set a signal or wait when there is a signal outstanding for the same queue, a different object handle must be used.</p>
2070	X'0816'	<p>MQRC_SIGNAL_REQUEST_ACCEPTED</p> <p>An MQGET call was issued specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but no suitable message was available; the call returns immediately. The application can now wait for the signal to be delivered.</p> <ul style="list-style-type: none"> • On z/OS, the application should wait on the Event Control Block pointed to by the <i>Signal1</i> field. • On Windows systems, the application should wait for the signal Windows message to be delivered. <p>This reason code occurs only in the following environments: z/OS, Windows systems.</p> <p>Corrective action: Wait for the signal; when it is delivered, check the signal to ensure that a message is now available. If it is, reissue the MQGET call.</p> <ul style="list-style-type: none"> • On z/OS, wait on the ECB pointed to by the <i>Signal1</i> field and, when it is posted, check it to ensure that a message is now available. • On Windows systems, the application (thread) should continue executing its message loop.
2071	X'0817'	<p>MQRC_STORAGE_NOT_AVAILABLE</p> <p>The call failed because there is insufficient main storage available.</p> <p>Corrective action: Ensure that active applications are behaving correctly, for example, that they are not looping unexpectedly. If no problems are found, make more main storage available.</p> <p>On z/OS, if no application problems are found, ask your systems programmer to increase the size of the region in which the queue manager runs.</p>
2072	X'0818'	<p>MQRC_SYNCPOINT_NOT_AVAILABLE</p> <p>Either MQGMO_SYNCPOINT was specified on an MQGET call or MQPMO_SYNCPOINT was specified on an MQPUT or MQPUT1 call, but the local queue manager was unable to honor the request. If the queue manager does not support units of work, the <i>SyncPoint</i> queue-manager attribute will have the value MQSP_NOT_AVAILABLE.</p> <p>This reason code can also occur on the MQGET, MQPUT, and MQPUT1 calls when an external unit-of-work coordinator is being used. If that coordinator requires an explicit call to start the unit of work, but the application has not issued that call prior to the MQGET, MQPUT, or MQPUT1 call, reason code MQRC_SYNCPOINT_NOT_AVAILABLE is returned.</p> <ul style="list-style-type: none"> • On OS/400, this reason codes means that OS/400 Commitment Control is not started, or is unavailable for use by the queue manager. • On z/OS, this reason code does not occur. <p>Corrective action: Remove the specification of MQGMO_SYNCPOINT or MQPMO_SYNCPOINT, as appropriate.</p> <p>On OS/400, ensure that Commitment Control has been started. If this reason code occurs after Commitment Control has been started, contact your systems programmer.</p>
2075	X'081B'	<p>MQRC_TRIGGER_CONTROL_ERROR</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_CONTROL attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>

Completion and reason codes

2076	X'081C'	<p>MQRC_TRIGGER_DEPTH_ERROR</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_DEPTH attribute selector is not valid.</p> <p>Corrective action: Specify a value that is greater than zero.</p>
2077	X'081D'	<p>MQRC_TRIGGER_MSG_PRIORITY_ERR</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_MSG_PRIORITY attribute selector is not valid.</p> <p>Corrective action: Specify a value in the range zero through the value of <i>MaxPriority</i> queue-manager attribute.</p>
2078	X'081E'	<p>MQRC_TRIGGER_TYPE_ERROR</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_TYPE attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2079	X'081F'	<p>MQRC_TRUNCATED_MSG_ACCEPTED</p> <p>On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was specified, so the call completes. The message is removed from the queue (subject to unit-of-work considerations), or, if this was a browse operation, the browse cursor is advanced to this message.</p> <p>The <i>DataLength</i> parameter is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: None, because the application expected this situation.</p>
2080	X'0820'	<p>MQRC_TRUNCATED_MSG_FAILED</p> <p>On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was <i>not</i> specified, so the message has not been removed from the queue. If this was a browse operation, the browse cursor remains where it was before this call, but if MQGMO_BROWSE_FIRST was specified, the browse cursor is positioned logically before the highest-priority message on the queue.</p> <p>The <i>DataLength</i> field is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: Supply a buffer that is at least as large as <i>DataLength</i>, or specify MQGMO_ACCEPT_TRUNCATED_MSG if not all of the message data is required.</p>
2082	X'0822'	<p>MQRC_UNKNOWN_ALIAS_BASE_Q</p> <p>An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the <i>BaseQName</i> in the alias queue attributes is not recognized as a queue name.</p> <p>This reason code can also occur when <i>BaseQName</i> is the name of a cluster queue that cannot be resolved successfully.</p> <p>Corrective action: Correct the queue definitions.</p>

Completion and reason codes

2085	X'0825'	<p>MQRC_UNKNOWN_OBJECT_NAME</p> <p>An MQOPEN or MQPUT1 call was issued, but the object identified by the <i>ObjectName</i> and <i>ObjectQMgrName</i> fields in the object descriptor MQOD cannot be found. One of the following applies:</p> <ul style="list-style-type: none"> • The <i>ObjectQMgrName</i> field is one of the following: <ul style="list-style-type: none"> – Blank – The name of the local queue manager – The name of a local definition of a remote queue (a queue-manager alias) in which the <i>RemoteQMgrName</i> attribute is the name of the local queue manager <p>but no object with the specified <i>ObjectName</i> and <i>ObjectType</i> exists on the local queue manager.</p> <ul style="list-style-type: none"> • The object being opened is a cluster queue that is hosted on a remote queue manager, but the local queue manager does not have a defined route to the remote queue manager. • The object being opened is a queue definition that has QSGDISP(GROUP). Such definitions cannot be used with the MQOPEN and MQPUT1 calls. <p>Corrective action: Specify a valid object name. Ensure that the name is padded to the right with blanks if necessary. If this is correct, check the queue definitions.</p>
2086	X'0826'	<p>MQRC_UNKNOWN_OBJECT_Q_MGR</p> <p>On an MQOPEN or MQPUT1 call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD does not satisfy the naming rules for objects. For more information, see the <i>WebSphere MQ Application Programming Guide</i>.</p> <p>This reason also occurs if the <i>ObjectType</i> field in the object descriptor has the value MQOT_Q_MGR, and the <i>ObjectQMgrName</i> field is not blank, but the name specified is not the name of the local queue manager.</p> <p>Corrective action: Specify a valid queue manager name. To refer to the local queue manager, a name consisting entirely of blanks or beginning with a null character can be used. Ensure that the name is padded to the right with blanks or terminated with a null character if necessary.</p>

2087	X'0827'	<p>MQRC_UNKNOWN_REMOTE_Q_MGR</p> <p>On an MQOPEN or MQPUT1 call, an error occurred with the queue-name resolution, for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>ObjectQMgrName</i> is blank or the name of the local queue manager, <i>ObjectName</i> is the name of a local definition of a remote queue (or an alias to one), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQMgrName</i> is blank or the name of the local queue manager. Note that this error occurs even if <i>XmitQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. – <i>RemoteQMgrName</i> and <i>RemoteQName</i> specify a cluster queue that cannot be resolved successfully, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is the name of a local definition of a remote queue (containing a queue-manager alias definition), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is not: <ul style="list-style-type: none"> – Blank – The name of the local queue manager – The name of a transmission queue – The name of a queue-manager alias definition (that is, a local definition of a remote queue with a blank <i>RemoteQName</i>) <p>but the <i>DefXmitQName</i> queue-manager attribute is blank.</p> • <i>ObjectQMgrName</i> is the name of a model queue. • The queue name is resolved through a cell directory. However, there is no queue defined with the same name as the remote queue manager name obtained from the cell directory, and the <i>DefXmitQName</i> queue-manager attribute is blank. <p>Corrective action: Check the values specified for <i>ObjectQMgrName</i> and <i>ObjectName</i>. If these are correct, check the queue definitions.</p>
2090	X'082A'	<p>MQRC_WAIT_INTERVAL_ERROR</p> <p>On the MQGET call, the value specified for the <i>WaitInterval</i> field in the <i>GetMsgOpts</i> parameter is not valid.</p> <p>Corrective action: Specify a value greater than or equal to zero, or the special value MQWI_UNLIMITED if an indefinite wait is required.</p>
2091	X'082B'	<p>MQRC_XMIT_Q_TYPE_ERROR</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or <i>ObjectQMgrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition:</p> <ul style="list-style-type: none"> • <i>XmitQName</i> is not blank, but specifies a queue that is not a local queue • <i>XmitQName</i> is blank, but <i>RemoteQMgrName</i> specifies a queue that is not a local queue <p>This reason also occurs if the queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a queue, but this is not a local queue.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMgrName</i>. If these are correct, check the queue definitions. For more information on transmission queues, see the <i>WebSphere MQ Application Programming Guide</i>.</p>

Completion and reason codes

2092	X'082C'	<p>MQRC_XMIT_Q_USAGE_ERROR</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred:</p> <ul style="list-style-type: none"> • <i>ObjectQMgrName</i> specifies the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. • The <i>ObjectName</i> or <i>ObjectQMgrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition: <ul style="list-style-type: none"> – <i>XmitQName</i> is not blank, but specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION – <i>XmitQName</i> is blank, but <i>RemoteQMgrName</i> specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION • The queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMgrName</i>. If these are correct, check the queue definitions. For more information on transmission queues, see the <i>WebSphere MQ Application Programming Guide</i>.</p>
2093	X'082D'	<p>MQRC_NOT_OPEN_FOR_PASS_ALL</p> <p>An MQPUT call was issued with the MQPMO_PASS_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_ALL_CONTEXT (or another option that implies it) when the queue is opened.</p>
2094	X'082E'	<p>MQRC_NOT_OPEN_FOR_PASS_IDENT</p> <p>An MQPUT call was issued with the MQPMO_PASS_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>
2095	X'082F'	<p>MQRC_NOT_OPEN_FOR_SET_ALL</p> <p>An MQPUT call was issued with the MQPMO_SET_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_ALL_CONTEXT when the queue is opened.</p>
2096	X'0830'	<p>MQRC_NOT_OPEN_FOR_SET_IDENT</p> <p>An MQPUT call was issued with the MQPMO_SET_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>

Completion and reason codes

2097	X'0831'	<p>MQRC_CONTEXT_HANDLE_ERROR</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter is either not a valid queue handle, or it is a valid queue handle but the queue was not opened with MQOO_SAVE_ALL_CONTEXT.</p> <p>Corrective action: Specify MQOO_SAVE_ALL_CONTEXT when the queue referred to is opened.</p>
2098	X'0832'	<p>MQRC_CONTEXT_NOT_AVAILABLE</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the queue handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter has no context associated with it. This arises if no message has yet been successfully retrieved with the queue handle referred to, or if the last successful MQGET call was a browse.</p> <p>This condition does not arise if the message that was last retrieved had no context associated with it.</p> <p>On z/OS, if a message is received by a message channel agent that is putting messages with the authority of the user identifier in the message, this code is returned in the <i>Feedback</i> field of an exception report if the message has no context associated with it.</p> <p>Corrective action: Ensure that a successful nonbrowse get call has been issued with the queue handle referred to.</p>
2099	X'0833'	<p>MQRC_SIGNAL1_ERROR</p> <p>An MQGET call was issued, specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but the <i>Signal1</i> field is not valid.</p> <ul style="list-style-type: none"> • On z/OS, the address contained in the <i>Signal1</i> field is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • On Windows systems, the window handle in the <i>Signal1</i> field is not valid. <p>This reason code occurs only in the following environments: z/OS, Windows systems.</p> <p>Corrective action: Correct the setting of the <i>Signal1</i> field.</p>
2100	X'0834'	<p>MQRC_OBJECT_ALREADY_EXISTS</p> <p>An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists.</p> <p>On z/OS, a rare "race condition" can also give rise to this reason code; see the description of reason code MQRC_NAME_IN_USE for more details.</p> <p>Corrective action: If supplying a dynamic queue name in full, ensure that it obeys the naming conventions for dynamic queues; if it does, either supply a different name, or delete the existing queue if it is no longer required. Alternatively, allow the queue manager to generate the name.</p> <p>If the queue manager is generating the name (either in part or in full), reissue the MQOPEN call.</p>

Completion and reason codes

2101	X'0835'	<p>MQRC_OBJECT_DAMAGED</p> <p>The object accessed by the call is damaged and cannot be used. For example, this may be because the definition of the object in main storage is not consistent, or because it differs from the definition of the object on disk, or because the definition on disk cannot be read. The object can be deleted, although it may not be possible to delete the associated user space.</p> <ul style="list-style-type: none"> On z/OS, this reason occurs when the DB2 list header or structure number associated with a shared queue is zero. This situation arises as a result of using the MQSC command DELETE CFSTRUCT to delete the DB2 structure definition. The command resets the list header and structure number to zero for each of the shared queues that references the deleted CF structure. <p>Corrective action: It may be necessary to stop and restart the queue manager, or to restore the queue-manager data from back-up storage.</p> <ul style="list-style-type: none"> On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, and UNIX systems, consult the FFST™ record to obtain more detail about the problem. On z/OS, delete the shared queue and redefine it using the MQSC command DEFINE QLOCAL. This will automatically define a CF structure and allocate list headers for it.
2102	X'0836'	<p>MQRC_RESOURCE_PROBLEM</p> <p>There are insufficient system resources to complete the call successfully.</p> <p>Corrective action: Run the application when the machine is less heavily loaded.</p> <ul style="list-style-type: none"> On z/OS, check the operator console for messages that may provide additional information. On Compaq OpenVMS Alpha, OS/2, OS/400, Compaq NonStop Kernel, and UNIX systems, consult the FFST record to obtain more detail about the problem.
2103	X'0837'	<p>MQRC_ANOTHER_Q_MGR_CONNECTED</p> <p>An MQCONN or MQCONNX call was issued, but the thread or process is already connected to a different queue manager. The thread or process can connect to only one queue manager at a time.</p> <p>On z/OS, this reason code does not occur.</p> <p>On Windows, MTS objects do not receive this reason code, as connections to other queue managers are allowed.</p> <p>Corrective action: Use the MQDISC call to disconnect from the queue manager that is already connected, and then issue the MQCONN or MQCONNX call to connect to the new queue manager.</p> <p>Disconnecting from the existing queue manager will close any queues that are currently open; it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is issued.</p>

2104	X'0838'	<p>MQRC_UNKNOWN_REPORT_OPTION</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options that are not recognized by the local queue manager. The options are accepted.</p> <p>The options that cause this reason code to be returned depend on the destination of the message.</p> <p>Corrective action: If this reason code is expected, no corrective action is required. If this reason code is not expected, do the following:</p> <ul style="list-style-type: none"> • Ensure that the <i>Report</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. • Ensure that the report options specified are ones that are documented in the <i>WebSphere MQ Application Programming Reference</i>. Remove any report options that are not documented in this book. • If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. • Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2105	X'0839'	<p>MQRC_STORAGE_CLASS_ERROR</p> <p>The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Create the storage-class object required by the queue, or modify the queue definition to use an existing storage class. The name of the storage-class object used by the queue is given by the <i>StorageClass</i> queue attribute.</p>
2106	X'083A'	<p>MQRC_COD_NOT_VALID_FOR_XCF_Q</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD specifies one of the MQRO_COD_* options and the target queue is an XCF queue. MQRO_COD_* options cannot be specified for XCF queues.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Remove the relevant MQRO_COD_* option.</p>
2107	X'083B'	<p>MQRC_XWAIT_CANCELED</p> <p>An MQXWAIT call was issued, but the call has been canceled because a STOP CHINIT command has been issued (or the queue manager has been stopped, which causes the same effect). Refer to the <i>WebSphere MQ Intercommunication</i> book for details of the MQXWAIT call.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Tidy up and terminate.</p>

Completion and reason codes

2108	X'083C'	<p>MQRC_XWAIT_ERROR</p> <p>An MQXWAIT call was issued, but the invocation was not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The wait descriptor MQXWD contains data that is not valid. • The linkage stack level is not valid. • The addressing mode is not valid. • There are too many wait events outstanding. <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Obey the rules for using the MQXWAIT call. Refer to the <i>WebSphere MQ Intercommunication</i> book for details of this call.</p>
2109	X'083D'	<p>MQRC_SUPPRESSED_BY_EXIT</p> <p>On any call other than MQCONN or MQDISC, the API crossing exit suppressed the call.</p> <p>Corrective action: Obey the rules for MQI calls that the exit enforces. To find out the rules, see the writer of the exit.</p>
2110	X'083E'	<p>MQRC_FORMAT_ERROR</p> <p>An MQGET call was issued with the MQGMO_CONVERT option specified in the <i>GetMsgOpts</i> parameter, but the message cannot be converted successfully due to an error associated with the message format. Possible errors include:</p> <ul style="list-style-type: none"> • The format name in the message is MQFMT_NONE. • A user-written exit with the name specified by the <i>Format</i> field in the message cannot be found. • The message contains data that is not consistent with the format definition. <p>The message is returned unconverted to the application issuing the MQGET call, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the format name that was specified when the message was put. If this is not one of the built-in formats, check that a suitable exit with the same name as the format is available for the queue manager to load. Verify that the data in the message corresponds to the format expected by the exit.</p>

2111	X'083F'	<p>MQRC_SOURCE_CCSID_ERROR</p> <p>The coded character-set identifier from which character data is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the message being retrieved. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>This reason can also occur on the MQGET call when the message contains one or more WebSphere MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the <i>CodedCharSetId</i> field in the message specifies a character set that does not have SBCS characters for the characters that are valid in queue names. WebSphere MQ header structures containing such characters are not valid, and so the message is returned unconverted. The Unicode character set UCS-2 is an example of such a character set.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason can also occur on the MQXCNVC call; the coded character-set identifier in error is the <i>SourceCCSID</i> parameter. Either the <i>SourceCCSID</i> parameter specifies a value that is not valid or not supported, or the <i>SourceCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified when the message was put, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNVC call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.</p>
2112	X'0840'	<p>MQRC_SOURCE_INTEGER_ENC_ERROR</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason code can also occur on the MQXCNVC call, when the <i>Options</i> parameter contains an unsupported MQDCC_SOURCE_* value, or when MQDCC_SOURCE_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: Check the integer encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required integer encoding, conversion must be carried out by the application.</p>

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2113	X'0841'	<p>MQRC_SOURCE_DECIMAL_ENC_ERROR</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the decimal encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.</p>
2114	X'0842'	<p>MQRC_SOURCE_FLOAT_ENC_ERROR</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the floating-point encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.</p>

2115	X'0843'	<p>MQRC_TARGET_CCSD_ERROR</p> <p>The coded character-set identifier to which character data is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>This reason can also occur on the MQGET call when the message contains one or more WebSphere MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter specifies a character set that does not have SBCS characters for the characters that are valid in queue names. The Unicode character set UCS-2 is an example of such a character set.</p> <p>This reason can also occur on the MQXCNVC call; the coded character-set identifier in error is the <i>TargetCCSID</i> parameter. Either the <i>TargetCCSID</i> parameter specifies a value that is not valid or not supported, or the <i>TargetCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified for the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter on the MQGET call, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNVC call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.</p>
2116	X'0844'	<p>MQRC_TARGET_INTEGER_ENC_ERROR</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message being retrieved, and the call completes with MQCC_WARNING.</p> <p>This reason code can also occur on the MQXCNVC call, when the <i>Options</i> parameter contains an unsupported MQDCC_TARGET_* value, or when MQDCC_TARGET_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: Check the integer encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required integer encoding, conversion must be carried out by the application.</p>
2117	X'0845'	<p>MQRC_TARGET_DECIMAL_ENC_ERROR</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: Check the decimal encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.</p>

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2118	X'0846'	<p>MQRC_TARGET_FLOAT_ENC_ERROR</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: Check the floating-point encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.</p>
2119	X'0847'	<p>MQRC_NOT_CONVERTED</p> <p>An MQGET call was issued with the MQGMO_CONVERT option specified in the <i>GetMsgOpts</i> parameter, but an error occurred during conversion of the data in the message. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This error may also indicate that a parameter to the data-conversion service is not supported.</p> <p>Corrective action: Check that the message data is correctly described by the <i>Format</i>, <i>CodedCharSetId</i> and <i>Encoding</i> parameters that were specified when the message was put. Also check that these values, and the <i>CodedCharSetId</i> and <i>Encoding</i> specified in the <i>MsgDesc</i> parameter on the MQGET call, are supported for queue-manager conversion. If the required conversion is not supported, conversion must be carried out by the application.</p>
2120	X'0848'	<p>MQRC_CONVERTED_MSG_TOO_BIG</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the message data expanded during data conversion and exceeded the size of the buffer provided by the application. However, the message had already been removed from the queue because prior to conversion the message data could be accommodated in the application buffer without truncation.</p> <p>The message is returned unconverted, with the <i>CompCode</i> parameter of the MQGET call set to MQCC_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.</p> <p>This reason can also occur on the MQXCNVC call, when the <i>TargetBuffer</i> parameter is too small to accommodate the converted string, and the string has been truncated to fit in the buffer. The length of valid data returned is given by the <i>DataLength</i> parameter; in the case of a DBCS string or mixed SBCS/DBCS string, this length may be <i>less than</i> the length of <i>TargetBuffer</i>.</p> <p>Corrective action: For the MQGET call, check that the exit is converting the message data correctly and setting the output length <i>DataLength</i> to the appropriate value. If it is, the application issuing the MQGET call must provide a larger buffer for the <i>Buffer</i> parameter.</p> <p>For the MQXCNVC call, if the string must be converted without truncation, provide a larger output buffer.</p>

Completion and reason codes

2121	X'0849'	<p>MQRC_NO_EXTERNAL_PARTICIPANTS</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but no participating resource managers have been registered with the queue manager. As a result, only changes to WebSphere MQ resources can be coordinated by the queue manager in the unit of work.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows.</p> <p>Corrective action: If the application does not require non-WebSphere MQ resources to participate in the unit of work, this reason code can be ignored or the MQBEGIN call removed. Otherwise consult your system support programmer to determine why the required resource managers have not been registered with the queue manager; the queue manager's configuration file may be in error.</p>
2122	X'084A'	<p>MQRC_PARTICIPANT_NOT_AVAILABLE</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but one or more of the participating resource managers that had been registered with the queue manager is not available. As a result, changes to those resources cannot be coordinated by the queue manager in the unit of work.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows.</p> <p>Corrective action: If the application does not require non-WebSphere MQ resources to participate in the unit of work, this reason code can be ignored. Otherwise consult your system support programmer to determine why the required resource managers are not available. The resource manager may have been halted temporarily, or there may be an error in the queue manager's configuration file.</p>
2123	X'084B'	<p>MQRC_OUTCOME_MIXED</p> <p>The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, but one of the following occurred:</p> <ul style="list-style-type: none"> • An MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers backed-out the unit of work instead of committing it. As a result, the outcome of the unit of work is mixed. • An MQBACK call was issued to back out a unit of work, but one or more of the participating resource managers had already committed the unit of work. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, Solaris, Windows.</p> <p>Corrective action: Examine the queue-manager error logs for messages relating to the mixed outcome; these messages identify the resource managers that are affected. Use procedures local to the affected resource managers to resynchronize the resources.</p> <p>This reason code does not prevent the application initiating further units of work.</p>

Completion and reason codes

2124	X'084C'	<p>MQRC_OUTCOME_PENDING</p> <p>The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, and an MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers has not confirmed that the unit of work was committed successfully.</p> <p>The completion of the commit operation will happen at some point in the future, but there remains the possibility that the outcome will be mixed.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, Solaris, Windows.</p> <p>Corrective action: Use the normal error-reporting mechanisms to determine whether the outcome was mixed. If it was, take appropriate action to resynchronize the resources.</p> <p>This reason code does not prevent the application initiating further units of work.</p>
2125	X'084D'	<p>MQRC_BRIDGE_STARTED</p> <p>The IMS bridge has been started.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2126	X'084E'	<p>MQRC_BRIDGE_STOPPED</p> <p>The IMS bridge has been stopped.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2127	X'084F'	<p>MQRC_ADAPTER_STORAGE_SHORTAGE</p> <p>On an MQCONN call, the adapter was unable to acquire storage.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Notify the system programmer. The system programmer should determine why the system is short on storage, and take appropriate action, for example, increase the region size on the step or job card.</p>
2128	X'0850'	<p>MQRC_UOW_IN_PROGRESS</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but a unit of work is already in existence for the connection handle specified. This may be a global unit of work started by a previous MQBEGIN call, or a unit of work that is local to the queue manager or one of the cooperating resource managers. No more than one unit of work can exist concurrently for a connection handle.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows.</p> <p>Corrective action: Review the application logic to determine why there is a unit of work already in existence. Move the MQBEGIN call to the appropriate place in the application.</p>
2129	X'0851'	<p>MQRC_ADAPTER_CONN_LOAD_ERROR</p> <p>On an MQCONN call, the connection handling module (CSQBICON for batch and CSQQCONN for IMS) could not be loaded, so the adapter could not link to it.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the startup JCL.</p>

Completion and reason codes

2130	X'0852'	<p>MQRC_ADAPTER_SERV_LOAD_ERROR</p> <p>On an MQI call, the batch adapter could not load the API service module CSQBSRV, and so could not link to it.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the startup JCL.</p>
2131	X'0853'	<p>MQRC_ADAPTER_DEFS_ERROR</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) does not contain the required control block identifier.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Check your library concatenation. If this is correct, check that the CSQBDEFV or CSQQDEFV module contains the required subsystem ID.</p>
2132	X'0854'	<p>MQRC_ADAPTER_DEFS_LOAD_ERROR</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) could not be loaded.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the startup JCL.</p>
2133	X'0855'	<p>MQRC_ADAPTER_CONV_LOAD_ERROR</p> <p>On an MQGET call, the adapter (batch or IMS) could not load the data conversion services modules.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the startup JCL.</p>
2134	X'0856'	<p>MQRC_BO_ERROR</p> <p>On an MQBEGIN call, the begin-options structure MQBO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQBO_STRUC_ID. • The <i>Version</i> field is not MQBO_VERSION_1. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQBO structure. Ensure that required input fields are set correctly.</p>

Completion and reason codes

2135	X'0857'	<p>MQRC_DH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQDH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQDH_STRUC_ID. • The <i>Version</i> field is not MQDH_VERSION_1. • The <i>StrucLength</i> field specifies a value that is too small to include the structure plus the arrays of MQOR and MQPMR records. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check that the fields in the structure are set correctly. Ensure that the application sets the <i>CodedCharSetId</i> field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are <i>not</i> valid in this field).</p>
2136	X'0858'	<p>MQRC_MULTIPLE_REASONS</p> <p>An MQOPEN, MQPUT or MQPUT1 call was issued to open a distribution list or put a message to a distribution list, but the result of the call was not the same for all of the destinations in the list. One of the following applies:</p> <ul style="list-style-type: none"> • The call succeeded for some of the destinations but not others. The completion code is MQCC_WARNING in this case. • The call failed for all of the destinations, but for differing reasons. The completion code is MQCC_FAILED in this case. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Examine the MQRN response records to identify the destinations for which the call failed, and the reason for the failure. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined. For the MQPUT1 call, the response records must be specified using the MQOD structure, and not the MQPMO structure.</p>

2137	X'0859'	<p>MQRC_OPEN_FAILED</p> <p>A queue or other WebSphere MQ object could not be opened successfully, for one of the following reasons:</p> <ul style="list-style-type: none"> • An MQCONN or MQCONNX call was issued, but the queue manager was unable to open an object that is used internally by the queue manager. As a result, processing cannot continue. The error log will contain the name of the object that could not be opened. • An MQPUT call was issued to put a message to a distribution list, but the message could not be sent to the destination to which this reason code applies because that destination was not opened successfully by the MQOPEN call. This reason occurs only in the <i>Reason</i> field of the MQRN response record. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> • If the error occurred on the MQCONN or MQCONNX call, ensure that the required objects exist by running the following command and then retrying the application: <pre>STRMQM -c qmgr</pre> <p>where qmgr should be replaced by the name of the queue manager.</p> • If the error occurred on the MQPUT call, examine the MQRN response records specified on the MQOPEN call to determine the reason that the queue failed to open. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined.
2138	X'085A'	<p>MQRC_ADAPTER_DISC_LOAD_ERROR</p> <p>On an MQDISC call, the disconnect handling module (CSQBDSC for batch and CSQQDISC for IMS) could not be loaded, so the adapter could not link to it.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue manager startup JCL. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2139	X'085B'	<p>MQRC_CNO_ERROR</p> <p>On an MQCONNX call, the connect-options structure MQCNO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQCNO_STRUC_ID. • The <i>Version</i> field specifies a value that is not valid or not supported. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the parameter pointer points to read-only storage. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCNO structure. Ensure that required input fields are set correctly.</p>

Completion and reason codes

2140	X'085C'	<p>MQRC_CICS_WAIT_FAILED</p> <p>On any MQI call, the CICS adapter issued an EXEC CICS WAIT request, but the request was rejected by CICS.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Examine the CICS trace data for actual response codes. The most likely cause is that the task has been canceled by the operator or by the system.</p>
2141	X'085D'	<p>MQRC_DLH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQDLH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQDLH_STRUC_ID. • The <i>Version</i> field is not MQDLH_VERSION_1. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check that the fields in the structure are set correctly. Ensure that the application sets the <i>CodedCharSetId</i> field to a valid value (note: MQCCSI_DEFAULT, MQCCSI_EMBEDDED, MQCCSI_Q_MGR, and MQCCSI_UNDEFINED are <i>not</i> valid in this field).</p>
2142	X'085E'	<p>MQRC_HEADER_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQ header structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not valid. • The <i>Version</i> field is not valid. • The <i>StrucLength</i> field specifies a value that is too small. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the WebSphere MQ header structure. Ensure that the fields are set correctly.</p>
2143	X'085F'	<p>MQRC_SOURCE_LENGTH_ERROR</p> <p>On the MQXCNVC call, the <i>SourceLength</i> parameter specifies a length that is less than zero or not consistent with the string's character set or content (for example, the character set is a double-byte character set, but the length is not a multiple of two). This reason also occurs if the <i>SourceLength</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_SOURCE_LENGTH_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.</p> <p>Corrective action: Specify a length that is zero or greater. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.</p>

2144	X'0860'	<p>MQRC_TARGET_LENGTH_ERROR</p> <p>On the MQXCNVC call, the <i>TargetLength</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>TargetLength</i> is less than zero. • The <i>TargetLength</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The MQDCC_FILL_TARGET_BUFFER option is specified, but the value of <i>TargetLength</i> is such that the target buffer cannot be filled completely with valid characters. This can occur when <i>TargetCCSID</i> is a pure DBCS character set (such as UCS-2), but <i>TargetLength</i> specifies a length that is an odd number of bytes. <p>This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_TARGET_LENGTH_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.</p> <p>Corrective action: Specify a length that is zero or greater. If the MQDCC_FILL_TARGET_BUFFER option is specified, and <i>TargetCCSID</i> is a pure DBCS character set, ensure that <i>TargetLength</i> specifies a length that is a multiple of two.</p> <p>If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.</p>
2145	X'0861'	<p>MQRC_SOURCE_BUFFER_ERROR</p> <p>On the MQXCNVC call, the <i>SourceBuffer</i> parameter pointer is not valid, or points to storage that cannot be accessed for the entire length specified by <i>SourceLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_SOURCE_BUFFER_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.</p> <p>Corrective action: Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.</p>
2146	X'0862'	<p>MQRC_TARGET_BUFFER_ERROR</p> <p>On the MQXCNVC call, the <i>TargetBuffer</i> parameter pointer is not valid, or points to read-only storage, or to storage that cannot be accessed for the entire length specified by <i>TargetLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason code can also occur on the MQGET call when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_TARGET_BUFFER_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.</p> <p>Corrective action: Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.</p>

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2148	X'0864'	<p>MQRC_IIH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQIIH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQIIH_STRUC_ID. • The <i>Version</i> field is not MQIIH_VERSION_1. • The <i>StrucLength</i> field is not MQIIH_LENGTH_1. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQIIH structure. Ensure that the fields are set correctly.</p>
2149	X'0865'	<p>MQRC_PCF_ERROR</p> <p>An MQPUT or MQPUT1 call was issued to put a message containing PCF data, but the length of the message does not equal the sum of the lengths of the PCF structures present in the message. This can occur for messages with the following format names:</p> <p style="padding-left: 20px;">MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that the length of the message specified on the MQPUT or MQPUT1 call equals the sum of the lengths of the PCF structures contained within the message data.</p>
2150	X'0866'	<p>MQRC_DBCS_ERROR</p> <p>An error was encountered attempting to convert a double-byte character set (DBCS) string. This can occur in the following cases:</p> <ul style="list-style-type: none"> • On the MQXCNVC call, when the <i>SourceCCSID</i> parameter specifies the coded character-set identifier of a double-byte character set, but the <i>SourceBuffer</i> parameter does not contain a valid DBCS string. This may be because the string contains characters that are not valid DBCS characters, or because the string is a mixed SBCS/DBCS string and the shift-out/shift-in characters are not correctly paired. The completion code is MQCC_FAILED in this case. • On the MQGET call, when the MQGMO_CONVERT option is specified. In this case it indicates that the MQRC_DBCS_ERROR reason code was returned by an MQXCNVC call issued by the data conversion exit. The completion code is MQCC_WARNING in this case. <p>Corrective action: Specify a valid string.</p> <p>If the reason code occurs on the MQGET call, check that the data in the message is valid, and that the logic in the data-conversion exit is correct.</p>
2152	X'0868'	<p>MQRC_OBJECT_NAME_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>

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2153	X'0869'	<p>MQRC_OBJECT_Q_MGR_NAME_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectQMgrName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectQMgrName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2154	X'086A'	<p>MQRC_RECS_PRESENT_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued, but the call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>RecsPresent</i> in MQOD is less than zero. • <i>ObjectType</i> in MQOD is not MQOT_Q, and <i>RecsPresent</i> is not zero. <i>RecsPresent</i> must be zero if the object being opened is not a queue. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectType</i> field to MQOT_Q and <i>RecsPresent</i> to the number of destinations in the list. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2155	X'086B'	<p>MQRC_OBJECT_RECORDS_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQOR object records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ObjectRecOffset</i> is zero and <i>ObjectRecPtr</i> is zero or the null pointer. • <i>ObjectRecOffset</i> is not zero and <i>ObjectRecPtr</i> is not zero and not the null pointer. • <i>ObjectRecPtr</i> is not a valid pointer. • <i>ObjectRecPtr</i> or <i>ObjectRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that one of <i>ObjectRecOffset</i> and <i>ObjectRecPtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>
2156	X'086C'	<p>MQRC_RESPONSE_RECORDS_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQRR response records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ResponseRecOffset</i> is not zero and <i>ResponseRecPtr</i> is not zero and not the null pointer. • <i>ResponseRecPtr</i> is not a valid pointer. • <i>ResponseRecPtr</i> or <i>ResponseRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that at least one of <i>ResponseRecOffset</i> and <i>ResponseRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>

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2157	X'086D'	<p>MQRC_ASID_MISMATCH</p> <p>On any MQI call, the caller's primary ASID was found to be different from the home ASID.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Correct the application (MQI calls cannot be issued in cross-memory mode). Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2158	X'086E'	<p>MQRC_PMO_RECORD_FLAGS_ERROR</p> <p>An MQPUT or MQPUT1 call was issued to put a message, but the <i>PutMsgRecFields</i> field in the MQPMO structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The field contains flags that are not valid. • The message is being put to a distribution list, and put message records have been provided (that is, <i>RecsPresent</i> is greater than zero, and one of <i>PutMsgRecOffset</i> or <i>PutMsgRecPtr</i> is nonzero), but <i>PutMsgRecFields</i> has the value MQPMRF_NONE. • MQPMRF_ACCOUNTING_TOKEN is specified without either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that <i>PutMsgRecFields</i> is set with the appropriate MQPMRF_* flags to indicate which fields are present in the put message records. If MQPMRF_ACCOUNTING_TOKEN is specified, ensure that either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT is also specified. Alternatively, set both <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> to zero.</p>
2159	X'086F'	<p>MQRC_PUT_MSG_RECORDS_ERROR</p> <p>An MQPUT or MQPUT1 call was issued to put a message to a distribution list, but the MQPMR put message records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>PutMsgRecOffset</i> is not zero and <i>PutMsgRecPtr</i> is not zero and not the null pointer. • <i>PutMsgRecPtr</i> is not a valid pointer. • <i>PutMsgRecPtr</i> or <i>PutMsgRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that at least one of <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>
2160	X'0870'	<p>MQRC_CONN_ID_IN_USE</p> <p>On an MQCONN call, the connection identifier assigned by WebSphere MQ to the connection between a CICS or IMS allied address space and the queue manager conflicts with the connection identifier of another connected CICS or IMS system. The connection identifier assigned is as follows:</p> <ul style="list-style-type: none"> • For CICS, the applid • For IMS, the IMSID parameter on the IMSCTRL (sysgen) macro, or the IMSID parameter on the execution parameter (EXEC card in IMS control region JCL) • For batch, the job name • For TSO, the user ID <p>A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to WebSphere MQ do not conflict.</p>

2161	X'0871'	<p>MQRC_Q_MGR QUIESCING</p> <p>An MQI call was issued, but the call failed because the queue manager is quiescing (preparing to shut down).</p> <p>When the queue manager is quiescing, the MQOPEN, MQPUT, MQPUT1, and MQGET calls can still complete successfully, but the application can request that they fail by specifying the appropriate option on the call:</p> <ul style="list-style-type: none"> • MQOO_FAIL_IF QUIESCING on MQOPEN • MQPMO_FAIL_IF QUIESCING on MQPUT or MQPUT1 • MQGMO_FAIL_IF QUIESCING on MQGET <p>Specifying these options enables the application to become aware that the queue manager is preparing to shut down.</p> <ul style="list-style-type: none"> • On z/OS: <ul style="list-style-type: none"> – For batch applications, this reason can be returned to applications running in non-WebSphere MQ LPARs. – For CICS applications, this reason can be returned when no connection was established. • On OS/400 for applications running in compatibility mode, this reason can be returned when no connection was established. <p>Corrective action: The application should tidy up and end. If the application specified the MQOO_FAIL_IF QUIESCING, MQPMO_FAIL_IF QUIESCING, or MQGMO_FAIL_IF QUIESCING option on the failing call, the relevant option can be removed and the call reissued. By omitting these options, the application can continue working in order to complete and commit the current unit of work, but the application should not start a new unit of work.</p>
2162	X'0872'	<p>MQRC_Q_MGR STOPPING</p> <p>An MQI call was issued, but the call failed because the queue manager is shutting down. If the call was an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more MQI calls can be issued.</p> <p>For WebSphere MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a <i>CompCode</i> of MQCC_FAILED.</p> <p>On z/OS, the MQRC_CONNECTION_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>Corrective action: The application should tidy up and end. If the application is in the middle of a unit of work coordinated by an external unit-of-work coordinator, the application should issue the appropriate call to back out the unit of work. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2163	X'0873'	<p>MQRC_DUPLICATE_RECOV_COORD</p> <p>On an MQCONN or MQCONNX call, a recovery coordinator already exists for the connection name specified on the connection call issued by the adapter.</p> <p>A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to WebSphere MQ do not conflict.</p>

Completion and reason codes

2173	X'087D'	<p>MQRC_PMO_ERROR</p> <p>On an MQPUT or MQPUT1 call, the MQPMO structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQPMO_STRUC_ID. • The <i>Version</i> field specifies a value that is not valid or not supported. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the MQPMO structure. Ensure that required input fields are correctly set.</p>
2183	X'0887'	<p>MQRC_API_EXIT_LOAD_ERROR</p> <p>The API-crossing exit module could not be linked. If this reason is returned when the API-crossing exit is invoked <i>after</i> the call has been executed, the call itself may have executed correctly.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified, and that the API-crossing exit module is executable and correctly named. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2184	X'0888'	<p>MQRC_REMOTE_Q_NAME_ERROR</p> <p>On an MQOPEN or MQPUT1 call, one of the following occurred:</p> <ul style="list-style-type: none"> • A local definition of a remote queue (or an alias to one) was specified, but the <i>RemoteQName</i> attribute in the remote queue definition is entirely blank. Note that this error occurs even if the <i>XmitQName</i> in the definition is not blank. • The <i>ObjectQMGrName</i> field in the object descriptor was not blank and not the name of the local queue manager, but the <i>ObjectName</i> field is blank. <p>Corrective action: Alter the local definition of the remote queue and supply a valid remote queue name, or supply a nonblank <i>ObjectName</i> in the object descriptor, as appropriate.</p>
2185	X'0889'	<p>MQRC_INCONSISTENT_PERSISTENCE</p> <p>An MQPUT call was issued to put a message in a group or a segment of a logical message, but the value specified or defaulted for the <i>Persistence</i> field in MQMD is not consistent with the current group and segment information retained by the queue manager for the queue handle. All messages in a group and all segments in a logical message must have the same value for persistence, that is, all must be persistent, or all must be nonpersistent.</p> <p>If the current call specifies MQPMO_LOGICAL_ORDER, the call fails. If the current call does not specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did, the call succeeds with completion code MQCC_WARNING.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Modify the application to ensure that all of the messages in the group or logical message are put with the same value for the <i>Persistence</i> field in MQMD.MQCC_WARNING or MQCC_FAILED</p> <p>Modify the application to ensure that the same value of persistence is used for all messages in the group, or all segments of the logical message.</p>

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2186	X'088A'	<p>MQRC_GMO_ERROR</p> <p>On an MQGET call, the MQGMO structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQGMO_STRUC_ID. • The <i>Version</i> field specifies a value that is not valid or not supported. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the MQGMO structure. Ensure that required input fields are correctly set.</p>
2187	X'088B'	<p>MQRC_CICS_BRIDGE_RESTRICTION</p> <p>It is not permitted to issue MQI calls from user transactions that are run in a WebSphere MQ-CICS bridge environment where the bridge exit also issues MQI calls. The MQI call fails. If this occurs in the bridge exit, it will result in a transaction abend. If it occurs in the user transaction, this may result in a transaction abend.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The transaction cannot be run using the WebSphere MQ-CICS bridge. Refer to the appropriate CICS manual for information about restrictions in the WebSphere MQ-CICS bridge environment.</p>
2188	X'088C'	<p>MQRC_STOPPED_BY_CLUSTER_EXIT</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit rejected the call.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly. Determine why it rejected the call and correct the problem.</p>
2189	X'088D'	<p>MQRC_CLUSTER_RESOLUTION_ERROR</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the queue definition could not be resolved correctly because a response was required from the repository manager but none was available.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check that the repository manager is operating and that the queue and channel definitions are correct.</p>

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2190	X'088E'	<p>MQRC_CONVERTED_STRING_TOO_BIG</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, a string in a fixed-length field in the message expanded during data conversion and exceeded the size of the field. When this happens, the queue manager tries discarding trailing blank characters and characters following the first null character in order to make the string fit, but in this case there were insufficient characters that could be discarded.</p> <p>This reason code can also occur for messages with a format name of MQFMT_IMS_VAR_STRING. When this happens, it indicates that the IMS variable string expanded such that its length exceeded the capacity of the 2-byte binary length field contained within the structure of the IMS variable string. (The queue manager never discards trailing blanks in an IMS variable string.)</p> <p>The message is returned unconverted, with the <i>CompCode</i> parameter of the MQGET call set to MQCC_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.</p> <p>This reason code does not occur if the string could be made to fit by discarding trailing blank characters.</p> <p>Corrective action: Check that the fields in the message contain the correct values, and that the character-set identifiers specified by the sender and receiver of the message are correct. If they are, the layout of the data in the message must be modified to increase the lengths of the field(s) so that there is sufficient space to allow the string(s) to expand when converted.</p>
2191	X'088F'	<p>MQRC_TMC_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQTMC2 structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQTMC_STRUC_ID. • The <i>Version</i> field is not MQTMC_VERSION_2. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQTMC or MQTMC2 structure. Ensure that the fields are set correctly.</p>
2192	X'0890'	<p>MQRC_PAGESET_FULL</p> <p>An MQI call was issued to operate on a queue, but the call failed because the external storage medium is full. One of the following applies:</p> <ul style="list-style-type: none"> • A page-set data set is full (nonshared queues only). • A coupling-facility structure is full (shared queues only). <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Check which queues contain messages and look for applications that might be filling the queues unintentionally. Be aware that the queue that has caused the page set or coupling-facility structure to become full is not necessarily the queue referenced by the MQI call that returned MQRC_PAGESET_FULL.</p> <p>Check that all of the usual server applications are operating correctly and processing the messages on the queues.</p> <p>If the applications and servers are operating correctly, increase the number of server applications to cope with the message load, or request the system programmer to increase the size of the page-set data sets.</p>

2192	X'0890'	<p>MQRC_STORAGE_MEDIUM_FULL</p> <p>An MQI call was issued to operate on a queue, but the call failed because the external storage medium is full. One of the following applies:</p> <ul style="list-style-type: none"> • A page-set data set is full (nonshared queues only). • A coupling-facility structure is full (shared queues only). <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Check which queues contain messages and look for applications that might be filling the queues unintentionally. Be aware that the queue that has caused the page set or coupling-facility structure to become full is not necessarily the queue referenced by the MQI call that returned MQRC_STORAGE_MEDIUM_FULL.</p> <p>Check that all of the usual server applications are operating correctly and processing the messages on the queues.</p> <p>If the applications and servers are operating correctly, increase the number of server applications to cope with the message load, or request the system programmer to increase the size of the page-set data sets.</p>
2193	X'0891'	<p>MQRC_PAGESET_ERROR</p> <p>An error was encountered with the page set while attempting to access it for a locally defined queue. This could be because the queue is on a page set that does not exist. A console message is issued that tells you the number of the page set in error. For example if the error occurred in the TEST job, and your user identifier is ABCDEFG, the message is:</p> <pre>CSQI041I CSQIALLC JOB TEST USER ABCDEFG HAD ERROR ACCESSING PAGE SET 27</pre> <p>If this reason code occurs while attempting to delete a dynamic queue with MQCLOSE, the dynamic queue has not been deleted.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Check that the storage class for the queue maps to a valid page set using the DISPLAY Q(xx) STGCLASS, DISPLAY STGCLASS(xx), and DISPLAY USAGE PSID commands. If you are unable to resolve the problem, notify the system programmer who should:</p> <ul style="list-style-type: none"> • Collect the following diagnostic information: <ul style="list-style-type: none"> – A description of the actions that led to the error – A listing of the application program being run at the time of the error – Details of the page sets defined for use by WebSphere MQ • Attempt to re-create the problem, and take a system dump immediately after the error occurs • Contact your IBM Support Center
2194	X'0892'	<p>MQRC_NAME_NOT_VALID_FOR_TYPE</p> <p>An MQOPEN call was issued to open the queue manager definition, but the <i>ObjectName</i> field in the <i>ObjDesc</i> parameter is not blank.</p> <p>Corrective action: Ensure that the <i>ObjectName</i> field is set to blanks.</p>

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2195	X'0893'	<p>MQRC_UNEXPECTED_ERROR</p> <p>The call was rejected because an unexpected error occurred.</p> <p>Corrective action: Check the application's parameter list to ensure, for example, that the correct number of parameters was passed, and that data pointers and storage keys are valid. If the problem cannot be resolved, contact your system programmer.</p> <ul style="list-style-type: none"> • On z/OS, check whether any information has been displayed on the console. If this error occurs on an MQCONN or MQCONNX call, check that the subsystem named is an active WebSphere MQ subsystem. In particular, check that it is not a DB2 subsystem. If the problem cannot be resolved, rerun the application with a CSQSNAP DD card (if you have not already got a dump) and send the resulting dump to IBM. • On OS/2 and OS/400, consult the FFST record to obtain more detail about the problem. • On Compaq OpenVMS Alpha, Compaq NonStop Kernel, and UNIX systems, consult the FDC file to obtain more detail about the problem.
2196	X'0894'	<p>MQRC_UNKNOWN_XMIT_Q</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or the <i>ObjectQMGrName</i> in the object descriptor specifies the name of a local definition of a remote queue (in the latter case queue-manager aliasing is being used), but the <i>XmitQName</i> attribute of the definition is not blank and not the name of a locally-defined queue.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMGrName</i>. If these are correct, check the queue definitions. For more information on transmission queues, see the <i>WebSphere MQ Application Programming Guide</i>.</p>
2197	X'0895'	<p>MQRC_UNKNOWN_DEF_XMIT_Q</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. If a local definition of the remote queue was specified, or if a queue-manager alias is being resolved, the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no queue defined with the same name as the destination queue manager, the queue manager has attempted to use the default transmission queue. However, the name defined by the <i>DefXmitQName</i> queue-manager attribute is not the name of a locally-defined queue.</p> <p>Corrective action: Correct the queue definitions, or the queue-manager attribute. See the <i>WebSphere MQ Application Programming Guide</i> for more information.</p>
2198	X'0896'	<p>MQRC_DEF_XMIT_Q_TYPE_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, although there is a queue defined by the <i>DefXmitQName</i> queue-manager attribute, it is not a local queue.</p> <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name that is the same as that of the remote queue manager. • Specify a local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. <p>See the <i>WebSphere MQ Application Programming Guide</i> for more information.</p>

2199	X'0897'	<p>MQRC_DEF_XMIT_Q_USAGE_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, the queue defined by the <i>DefXmitQName</i> queue-manager attribute does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION.</p> <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name that is the same as that of the remote queue manager. • Specify a different local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. • Change the <i>Usage</i> attribute of the <i>DefXmitQName</i> queue to MQUS_TRANSMISSION. <p>See the <i>WebSphere MQ Application Programming Guide</i> for more information.</p>
2201	X'0899'	<p>MQRC_NAME_IN_USE</p> <p>An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists. The existing queue is one that is logically deleted, but for which there are still one or more open handles.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Either ensure that all handles for the previous dynamic queue are closed, or ensure that the name of the new queue is unique; see the description for reason code MQRC_OBJECT_ALREADY_EXISTS.</p>
2202	X'089A'	<p>MQRC_CONNECTION_QUIESCING</p> <p>This reason code is issued for CICS and IMS applications when the connection to the queue manager is in quiescing state, and an application issues one of the following calls:</p> <ul style="list-style-type: none"> • MQCONN or MQCONNX on IMS (these calls do not return this reason code on CICS, as the calls cannot determine that the queue manager is shutting down) • MQOPEN, with no connection established, or with MQOO_FAIL_IF_QUIESCING included in the <i>Options</i> parameter • MQGET, with MQGMO_FAIL_IF_QUIESCING included in the <i>Options</i> field of the <i>GetMsgOpts</i> parameter • MQPUT or MQPUT1, with MQPMO_FAIL_IF_QUIESCING included in the <i>Options</i> field of the <i>PutMsgOpts</i> parameter <p>MQRC_CONNECTION_QUIESCING is also issued by the message channel agent (MCA) when the queue manager is in quiescing state.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The application should tidy up and terminate.</p>

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2203	X'089B'	<p>MQRC_CONNECTION_STOPPING</p> <p>This reason code is issued for CICS and IMS applications when the connection to the queue manager is shutting down, and the application issues an MQI call. No more message-queuing calls can be issued.</p> <ul style="list-style-type: none"> • For the MQCONN or MQCONNX call, MQRC_CONNECTION_STOPPING is returned only on IMS. (These calls do not return this reason code on CICS, as the calls cannot determine that the queue manager is shutting down.) • For the MQGET call, if the MQGMO_WAIT option was specified, the wait is canceled. <p>Note that the MQRC_CONNECTION_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>MQRC_CONNECTION_STOPPING is also issued by the message channel agent (MCA) when the queue manager is shutting down.</p> <p>For WebSphere MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a <i>CompCode</i> of MQCC_FAILED.</p> <p>This reason code occurs on z/OS, plus WebSphere MQ clients connected to this system.</p> <p>Corrective action: The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2204	X'089C'	<p>MQRC_ADAPTER_NOT_AVAILABLE</p> <p>This is issued only for CICS applications, if any call is issued and the CICS adapter (a Task Related User Exit) has been disabled, or has not been enabled.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.</p>
2206	X'089E'	<p>MQRC_MSG_ID_ERROR</p> <p>An MQGET call was issued to retrieve a message using the message identifier as a selection criterion, but the call failed because selection by message identifier is not supported on this queue.</p> <ul style="list-style-type: none"> • On z/OS, the queue is a shared queue, but the <i>IndexType</i> queue attribute does not have an appropriate value: <ul style="list-style-type: none"> – If selection is by message identifier alone, <i>IndexType</i> must have the value MQIT_MSG_ID. – If selection is by message identifier and correlation identifier combined, <i>IndexType</i> must have the value MQIT_MSG_ID or MQIT_CORREL_ID. • On Compaq NonStop Kernel, a key file is required but has not been defined. <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> • Modify the application so that it does not use selection by message identifier: set the <i>MsgId</i> field to MQMI_NONE and do not specify MQMO_MATCH_MSG_ID in MQGMO. • On z/OS, change the <i>IndexType</i> queue attribute to MQIT_MSG_ID. • On Compaq NonStop Kernel, define a key file.

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2207	X'089F'	<p>MQRC_CORREL_ID_ERROR</p> <p>An MQGET call was issued to retrieve a message using the correlation identifier as a selection criterion, but the call failed because selection by correlation identifier is not supported on this queue.</p> <ul style="list-style-type: none"> On z/OS, the queue is a shared queue, but the <i>IndexType</i> queue attribute does not have an appropriate value: <ul style="list-style-type: none"> If selection is by correlation identifier alone, <i>IndexType</i> must have the value MQIT_CORREL_ID. If selection is by correlation identifier and message identifier combined, <i>IndexType</i> must have the value MQIT_CORREL_ID or MQIT_MSG_ID. On Compaq NonStop Kernel, a key file is required but has not been defined. <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> On z/OS, change the <i>IndexType</i> queue attribute to MQIT_CORREL_ID. On Compaq NonStop Kernel, define a key file. Modify the application so that it does not use selection by correlation identifier: set the <i>CorrelId</i> field to MQCI_NONE and do not specify MQMO_MATCH_CORREL_ID in MQGMO.
2208	X'08A0'	<p>MQRC_FILE_SYSTEM_ERROR</p> <p>An unexpected return code was received from the file system, in attempting to perform an operation on a queue.</p> <p>This reason code occurs only on VSE/ESA.</p> <p>Corrective action: Check the file system definition for the queue that was being accessed. For a VSAM file, check that the control interval is large enough for the maximum message length allowed for the queue.</p>
2209	X'08A1'	<p>MQRC_NO_MSG_LOCKED</p> <p>An MQGET call was issued with the MQGMO_UNLOCK option, but no message was currently locked.</p> <p>Corrective action: Check that a message was locked by an earlier MQGET call with the MQGMO_LOCK option for the same handle, and that no intervening call has caused the message to become unlocked.</p>
2217	X'08A9'	<p>MQRC_CONNECTION_NOT_AUTHORIZED</p> <p>This reason code arises only for CICS applications. For these, connection to the queue manager is done by the adapter. If that connection fails because the CICS subsystem is not authorized to connect to the queue manager, this reason code is issued whenever an application running under that subsystem subsequently issues an MQI call.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the subsystem is authorized to connect to the queue manager.</p>
2218	X'08AA'	<p>MQRC_MSG_TOO_BIG_FOR_CHANNEL</p> <p>A message was put to a remote queue, but the message is larger than the maximum message length allowed by the channel. This reason code is returned in the <i>Feedback</i> field in the message descriptor of a report message.</p> <p>On z/OS, this return code is issued only if you are not using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_Q_MGR is issued.</p> <p>Corrective action: Check the channel definitions. Increase the maximum message length that the channel can accept, or break the message into several smaller messages.</p>

Completion and reason codes

2219	X'08AB'	<p>MQRC_CALL_IN_PROGRESS</p> <p>The application issued an MQI call whilst another MQI call was already being processed for that connection. Only one call per application connection can be processed at a time.</p> <p>Concurrent calls can arise when an application uses multiple threads, or when an exit is invoked as part of the processing of an MQI call. For example, a data-conversion exit invoked as part of the processing of the MQGET call may try to issue an MQI call.</p> <ul style="list-style-type: none"> • On z/OS, concurrent calls can arise only with batch or IMS applications; an example is when a subtask ends while an MQI call is in progress (for example, an MQGET that is waiting), and there is an end-of-task exit routine that issues another MQI call. • On OS/2, Windows client, and Windows, concurrent calls can also arise if an MQI call is issued in response to a user message while another MQI call is in progress. • If the application is using multiple threads with shareable handles, MQRC_CALL_IN_PROGRESS occurs when the handle specified on the call is already in use by another thread and MQCNO_HANDLE_SHARE_NO_BLOCK was specified on the MQCONN call. <p>Corrective action: Ensure that an MQI call cannot be issued while another one is active. Do not issue MQI calls from within a data-conversion exit.</p> <p>On z/OS, if you want to provide a subtask to allow an application that is waiting for a message to arrive to be canceled, wait for the message by using MQGET with MQGMO_SET_SIGNAL, rather than MQGMO_WAIT.</p>
2220	X'08AC'	<p>MQRC_RMH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQRMH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQRMH_STRUC_ID. • The <i>Version</i> field is not MQRMH_VERSION_1. • The <i>StrucLength</i> field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQRMH structure. Ensure that the fields are set correctly.</p>
2222	X'08AE'	<p>MQRC_Q_MGR_ACTIVE</p> <p>This condition is detected when a queue manager becomes active.</p> <p>On z/OS, this event is not generated for the first start of a queue manager, only on subsequent restarts.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2223	X'08AF'	<p>MQRC_Q_MGR_NOT_ACTIVE</p> <p>This condition is detected when a queue manager is requested to stop or quiesce.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

Completion and reason codes

2224	X'08B0'	<p>MQRC_Q_DEPTH_HIGH</p> <p>An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the <i>QDepthHighLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2225	X'08B1'	<p>MQRC_Q_DEPTH_LOW</p> <p>An MQGET call has caused the queue depth to be decremented to or below the limit specified in the <i>QDepthLowLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2226	X'08B2'	<p>MQRC_Q_SERVICE_INTERVAL_HIGH</p> <p>No successful gets or puts have been detected within an interval that is greater than the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2227	X'08B3'	<p>MQRC_Q_SERVICE_INTERVAL_OK</p> <p>A successful get has been detected within an interval that is less than or equal to the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2232	X'08B8'	<p>MQRC_UNIT_OF_WORK_NOT_STARTED</p> <p>An MQGET, MQPUT or MQPUT1 call was issued to get or put a message within a unit of work, but no TM/MP transaction had been started. If MQGMO_NO_SYNCPOINT is not specified on MQGET, or MQPMO_NO_SYNCPOINT is not specified on MQPUT or MQPUT1 (the default), the call requires a unit of work.</p> <p>Corrective action: Ensure a TM/MP transaction is available, or issue the MQGET call with the MQGMO_NO_SYNCPOINT option, or the MQPUT or MQPUT1 call with the MQPMO_NO_SYNCPOINT option, which will cause a transaction to be started automatically.</p>
2233	X'08B9'	<p>MQRC_CHANNEL_AUTO_DEF_OK</p> <p>This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2234	X'08BA'	<p>MQRC_CHANNEL_AUTO_DEF_ERROR</p> <p>This condition is detected when the automatic definition of a channel fails; this may be because an error occurred during the definition process, or because the channel automatic-definition exit inhibited the definition. Additional information is returned in the event message indicating the reason for the failure.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Examine the additional information returned in the event message to determine the reason for the failure.</p>

Completion and reason codes

2235	X'08BB'	<p>MQRC_CFH_ERROR</p> <p>On an MQPUT or MQPUT1 call, the PCF header structure MQCFH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCFH structure. Ensure that the fields are set correctly.</p>
2236	X'08BC'	<p>MQRC_CFIL_ERROR</p> <p>On an MQPUT or MQPUT1 call, a PCF integer list parameter structure MQCFIL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCFIL structure. Ensure that the fields are set correctly.</p>
2237	X'08BD'	<p>MQRC_CFIN_ERROR</p> <p>On an MQPUT or MQPUT1 call, a PCF integer parameter structure MQCFIN in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCFIN structure. Ensure that the fields are set correctly.</p>
2238	X'08BE'	<p>MQRC_CFSL_ERROR</p> <p>On an MQPUT or MQPUT1 call, a PCF string list parameter structure MQCFSL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCFSL structure. Ensure that the fields are set correctly.</p>
2239	X'08BF'	<p>MQRC_CFST_ERROR</p> <p>On an MQPUT or MQPUT1 call, a PCF string parameter structure MQCFST in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQCFST structure. Ensure that the fields are set correctly.</p>

Completion and reason codes

2241	X'08C1'	<p>MQRC_INCOMPLETE_GROUP</p> <p>An operation was attempted on a queue using a queue handle that had an incomplete message group. This reason code can arise in the following situations:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application specifies MQPMO_LOGICAL_ORDER and attempts to put a message that is not in a group. The completion code is MQCC_FAILED in this case. • On the MQPUT call, when the application does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case. • On the MQGET call, when the application does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The completion code is MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete message group. The completion code is MQCC_WARNING in this case. <p>If there is an incomplete logical message as well as an incomplete message group, reason code MQRC_INCOMPLETE_MSG is returned in preference to MQRC_INCOMPLETE_GROUP.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last message in the group specifies MQMF_LAST_MSG_IN_GROUP.</p>
2242	X'08C2'	<p>MQRC_INCOMPLETE_MSG</p> <p>An operation was attempted on a queue using a queue handle that had an incomplete logical message. This reason code can arise in the following situations:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application attempts to put a message that is not a segment and specifies MQPMO_LOGICAL_ORDER. The call fails in this case. • On the MQPUT call, when the application attempts to put a message that is not the next segment and does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQGET call, when the application attempts to get a message that is not the next segment and does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete logical message. The call succeeds with completion code MQCC_WARNING. • On the MQPUT call, the segment does not have the same flag setting for MQMF_LAST_MSG_IN_GROUP as the previous segment of the message. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, z/OS, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last segment specifies MQMF_LAST_SEGMENT.</p>

Completion and reason codes

2243	X'08C3'	<p>MQRC_INCONSISTENT_CCSDS</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the <i>CodedCharSetId</i> field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC_WARNING, but only the first few segments that have identical character-set identifiers are returned.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>
2244	X'08C4'	<p>MQRC_INCONSISTENT_ENCODINGS</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the <i>Encoding</i> field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC_WARNING, but only the first few segments that have identical encodings are returned.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>
2245	X'08C5'	<p>MQRC_INCONSISTENT_UOW</p> <p>One of the following applies:</p> <ul style="list-style-type: none"> An MQPUT call was issued to put a message in a group or a segment of a logical message, but the value specified or defaulted for the MQPMO_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. <ul style="list-style-type: none"> If the current call specifies MQPMO_LOGICAL_ORDER, the call fails. If the current call does not specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did, the call succeeds with completion code MQCC_WARNING. An MQGET call was issued to remove from the queue a message in a group or a segment of a logical message, but the value specified or defaulted for the MQGMO_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. <ul style="list-style-type: none"> If the current call specifies MQGMO_LOGICAL_ORDER, the call fails. If the current call does not specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did, the call succeeds with completion code MQCC_WARNING. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Modify the application to ensure that the same unit-of-work specification is used for all messages in the group, or all segments of the logical message.</p>

Completion and reason codes

2246	X'08C6'	<p>MQRC_INVALID_MSG_UNDER_CURSOR</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option with either MQGMO_MSG_UNDER_CURSOR or MQGMO_BROWSE_MSG_UNDER_CURSOR, but the message that is under the cursor has an MQMD with an <i>Offset</i> field that is greater than zero. Because MQGMO_COMPLETE_MSG was specified, the message is not valid for retrieval.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Reposition the browse cursor so that it is located on a message whose <i>Offset</i> field in MQMD is zero. Alternatively, remove the MQGMO_COMPLETE_MSG option.</p>
2247	X'08C7'	<p>MQRC_MATCH_OPTIONS_ERROR</p> <p>An MQGET call was issued, but the value of the <i>MatchOptions</i> field in the <i>GetMsgOpts</i> parameter is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • An undefined option is specified. • All of the following are true: <ul style="list-style-type: none"> – MQGMO_LOGICAL_ORDER is specified. – There is a current message group or logical message for the queue handle. – Neither MQGMO_BROWSE_MSG_UNDER_CURSOR nor MQGMO_MSG_UNDER_CURSOR is specified. – One or more of the MQMO_* options is specified. – The values of the fields in the <i>MsgDesc</i> parameter corresponding to the MQMO_* options specified, differ from the values of those fields in the MQMD for the message to be returned next. • On z/OS, one or more of the options specified is not valid for the index type of the queue. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that only valid options are specified for the field.</p>
2248	X'08C8'	<p>MQRC_MDE_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQMDE structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQMDE_STRUC_ID. • The <i>Version</i> field is not MQMDE_VERSION_2. • The <i>StrucLength</i> field is not MQMDE_LENGTH_2. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the message descriptor extension. Ensure that required input fields are correctly set.</p>

Completion and reason codes

2249	X'08C9'	<p>MQRC_MSG_FLAGS_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>MsgFlags</i> field in the message descriptor MQMD contains one or more message flags that are not recognized by the local queue manager. The message flags that cause this reason code to be returned depend on the destination of the message.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the message flags specified by the sender of the message.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Do the following:</p> <ul style="list-style-type: none"> • Ensure that the <i>MsgFlags</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQMF_NONE if no message flags are needed. • Ensure that the message flags specified are valid. For more information on flags, see the <i>WebSphere MQ Application Programming Reference</i> manual. • If multiple message flags are being set by adding the individual message flags together, ensure that the same message flag is not added twice. • On z/OS, ensure that the message flags specified are valid for the index type of the queue; see the description of the <i>MsgFlags</i> field in MQMD for further details.
2250	X'08CA'	<p>MQRC_MSG_SEQ_NUMBER_ERROR</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued, but the value of the <i>MsgSeqNumber</i> field in the MQMD or MQMDE structure is less than one or greater than 999 999 999.</p> <p>This error can also occur on the MQPUT call if the <i>MsgSeqNumber</i> field would have become greater than 999 999 999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify a value in the range 1 through 999 999 999. Do not attempt to create a message group containing more than 999 999 999 messages.</p>
2251	X'08CB'	<p>MQRC_OFFSET_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the value of the <i>Offset</i> field in the MQMD or MQMDE structure is less than zero or greater than 999 999 999.</p> <p>This error can also occur on the MQPUT call if the <i>Offset</i> field would have become greater than 999 999 999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify a value in the range 0 through 999 999 999. Do not attempt to create a message segment that would extend beyond an offset of 999 999 999.</p>

Completion and reason codes

2252	X'08CC'	<p>MQRC_ORIGINAL_LENGTH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued to put a report message that is a segment, but the <i>OriginalLength</i> field in the MQMD or MQMDE structure is either:</p> <ul style="list-style-type: none"> • Less than the length of data in the message, or • Less than one (for a segment that is not the last segment), or • Less than zero (for a segment that is the last segment) <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify a value that is greater than zero. Zero is valid only for the last segment.</p>
2253	X'08CD'	<p>MQRC_SEGMENT_LENGTH_ZERO</p> <p>An MQPUT or MQPUT1 call was issued to put the first or an intermediate segment of a logical message, but the length of the application message data in the segment (excluding any WebSphere MQ headers that may be present) is zero. The length must be at least one for the first or intermediate segment.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check the application logic to ensure that segments are put with a length of one or greater. Only the last segment of a logical message is permitted to have a length of zero.</p>
2255	X'08CF'	<p>MQRC_UOW_NOT_AVAILABLE</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued to get or put a message outside a unit of work, but the options specified on the call required the queue manager to process the call within a unit of work. Because there is already a user-defined unit of work in existence, the queue manager was unable to create a temporary unit of work for the duration of the call.</p> <p>This reason occurs in the following circumstances:</p> <ul style="list-style-type: none"> • On an MQGET call, when the MQGMO_COMPLETE_MSG option is specified in MQGMO and the logical message to be retrieved is persistent and consists of two or more segments. • On an MQPUT or MQPUT1 call, when the MQMF_SEGMENTATION_ALLOWED flag is specified in MQMD and the message requires segmentation. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Issue the MQGET, MQPUT, or MQPUT1 call inside the user-defined unit of work. Alternatively, for the MQPUT or MQPUT1 call, reduce the size of the message so that it does not require segmentation by the queue manager.</p>
2256	X'08D0'	<p>MQRC_WRONG_GMO_VERSION</p> <p>An MQGET call was issued specifying options that required an MQGMO with a version number not less than MQGMO_VERSION_2, but the MQGMO supplied did not satisfy this condition.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Modify the application to pass a version-2 MQGMO. Check the application logic to ensure that the <i>Version</i> field in MQGMO has been set to MQGMO_VERSION_2. Alternatively, remove the option that requires the version-2 MQGMO.</p>

Completion and reason codes

2257	X'08D1'	<p>MQRC_WRONG_MD_VERSION</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued specifying options that required an MQMD with a version number not less than MQMD_VERSION_2, but the MQMD supplied did not satisfy this condition.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Modify the application to pass a version-2 MQMD. Check the application logic to ensure that the <i>Version</i> field in MQMD has been set to MQMD_VERSION_2. Alternatively, remove the option that requires the version-2 MQMD.</p>
2258	X'08D2'	<p>MQRC_GROUP_ID_ERROR</p> <p>An MQPUT or MQPUT1 call was issued to put a distribution-list message that is also a message in a group, a message segment, or has segmentation allowed, but an invalid combination of options and values was specified. All of the following are true:</p> <ul style="list-style-type: none"> • MQPMO_LOGICAL_ORDER is not specified in the <i>Options</i> field in MQPMO. • Either there are too few MQPMR records provided by MQPMO, or the <i>GroupId</i> field is not present in the MQPMR records. • One or more of the following flags is specified in the <i>MsgFlags</i> field in MQMD or MQMDE: MQMF_SEGMENTATION_ALLOWED MQMF_*_MSG_IN_GROUP MQMF_*_SEGMENT • The <i>GroupId</i> field in MQMD or MQMDE is not MQGI_NONE. <p>This combination of options and values would result in the same group identifier being used for all of the destinations in the distribution list; this is not permitted by the queue manager.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify MQGI_NONE for the <i>GroupId</i> field in MQMD or MQMDE. Alternatively, if the call is MQPUT specify MQPMO_LOGICAL_ORDER in the <i>Options</i> field in MQPMO.</p>
2259	X'08D3'	<p>MQRC_INCONSISTENT_BROWSE</p> <p>An MQGET call was issued with the MQGMO_BROWSE_NEXT option specified, but the specification of the MQGMO_LOGICAL_ORDER option for the call is different from the specification of that option for the previous call for the queue handle. Either both calls must specify MQGMO_LOGICAL_ORDER, or neither call must specify MQGMO_LOGICAL_ORDER.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Add or remove the MQGMO_LOGICAL_ORDER option as appropriate. Alternatively, to switch between logical order and physical order, specify the MQGMO_BROWSE_FIRST option to restart the scan from the beginning of the queue, omitting or specifying MQGMO_LOGICAL_ORDER as required.</p>

Completion and reason codes

2260	X'08D4'	<p>MQRC_XQH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQXQH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQXQH_STRUC_ID. • The <i>Version</i> field is not MQXQH_VERSION_1. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQXQH structure. Ensure that the fields are set correctly.</p>
2261	X'08D5'	<p>MQRC_SRC_ENV_ERROR</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the source environment data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>SrcEnvLength</i> is less than zero. • <i>SrcEnvLength</i> is greater than zero, but there is no source environment data. • <i>SrcEnvLength</i> is greater than zero, but <i>SrcEnvOffset</i> is negative, zero, or less than the length of the fixed part of MQRMH. • <i>SrcEnvLength</i> is greater than zero, but <i>SrcEnvOffset</i> plus <i>SrcEnvLength</i> is greater than <i>StrucLength</i>. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify the source environment data correctly.</p>
2262	X'08D6'	<p>MQRC_SRC_NAME_ERROR</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the source name data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>SrcNameLength</i> is less than zero. • <i>SrcNameLength</i> is greater than zero, but there is no source name data. • <i>SrcNameLength</i> is greater than zero, but <i>SrcNameOffset</i> is negative, zero, or less than the length of the fixed part of MQRMH. • <i>SrcNameLength</i> is greater than zero, but <i>SrcNameOffset</i> plus <i>SrcNameLength</i> is greater than <i>StrucLength</i>. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify the source name data correctly.</p>

Completion and reason codes

2263	X'08D7'	<p>MQRC_DEST_ENV_ERROR</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the destination environment data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>DestEnvLength</i> is less than zero. • <i>DestEnvLength</i> is greater than zero, but there is no destination environment data. • <i>DestEnvLength</i> is greater than zero, but <i>DestEnvOffset</i> is negative, zero, or less than the length of the fixed part of MQRMH. • <i>DestEnvLength</i> is greater than zero, but <i>DestEnvOffset</i> plus <i>DestEnvLength</i> is greater than <i>StrucLength</i>. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify the destination environment data correctly.</p>
2264	X'08D8'	<p>MQRC_DEST_NAME_ERROR</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the destination name data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>DestNameLength</i> is less than zero. • <i>DestNameLength</i> is greater than zero, but there is no destination name data. • <i>DestNameLength</i> is greater than zero, but <i>DestNameOffset</i> is negative, zero, or less than the length of the fixed part of MQRMH. • <i>DestNameLength</i> is greater than zero, but <i>DestNameOffset</i> plus <i>DestNameLength</i> is greater than <i>StrucLength</i>. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Specify the destination name data correctly.</p>
2265	X'08D9'	<p>MQRC_TM_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQTM structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQTM_STRUC_ID. • The <i>Version</i> field is not MQTM_VERSION_1. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Correct the definition of the MQTM structure. Ensure that the fields are set correctly.</p>

Completion and reason codes

2266	X'08DA'	<p>MQRC_CLUSTER_EXIT_ERROR</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit defined by the queue-manager's <i>ClusterWorkloadExit</i> attribute failed unexpectedly or did not respond in time. Subsequent MQOPEN, MQPUT, and MQPUT1 calls for this queue handle are processed as though the <i>ClusterWorkloadExit</i> attribute were blank.</p> <p>On z/OS, a message giving more information about the error is written to the system log, for example message CSQV455E or CSQV456E.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly.</p>
2267	X'08DB'	<p>MQRC_CLUSTER_EXIT_LOAD_ERROR</p> <p>An MQCONN or MQCONNX call was issued to connect to a queue manager, but the call failed because the cluster workload exit defined by the queue-manager's <i>ClusterWorkloadExit</i> attribute could not be loaded.</p> <p>On z/OS, if the cluster workload exit cannot be loaded, a message is written to the system log, for example message CSQV453I. Processing continues as though the <i>ClusterWorkloadExit</i> attribute had been blank.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that the cluster workload exit has been installed in the correct location.</p>
2268	X'08DC'	<p>MQRC_CLUSTER_PUT_INHIBITED</p> <p>An MQOPEN call with the MQOO_OUTPUT and MQOO_BIND_ON_OPEN options in effect was issued for a cluster queue, but the call failed because all of the following are true:</p> <ul style="list-style-type: none"> • All instances of the cluster queue are currently put-inhibited (that is, all of the queue instances have the <i>InhibitPut</i> attribute set to MQQA_PUT_INHIBITED). • There is no local instance of the queue. (If there is a local instance, the MQOPEN call succeeds, even if the local instance is put-inhibited.) • There is no cluster workload exit for the queue, or there is a cluster workload exit but it did not choose a queue instance. (If the cluster workload exit does choose a queue instance, the MQOPEN call succeeds, even if that instance is put-inhibited.) <p>If the MQOO_BIND_NOT_FIXED option is specified on the MQOPEN call, the call can succeed even if all of the queues in the cluster are put-inhibited. However, a subsequent MQPUT call may fail if all of the queues are still put-inhibited at the time of the MQPUT call.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: If the system design allows put requests to be inhibited for short periods, retry the operation later. If the problem persists, determine why all of the queues in the cluster are put-inhibited.</p>

Completion and reason codes

2269	X'08DD'	<p>MQRC_CLUSTER_RESOURCE_ERROR</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued for a cluster queue, but an error occurred whilst trying to use a resource required for clustering.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Do the following:</p> <ul style="list-style-type: none"> • Check that the SYSTEM.CLUSTER.* queues are not put inhibited or full. • Check the event queues for any events relating to the SYSTEM.CLUSTER.* queues, as these may give guidance as to the nature of the failure. • Check that the repository queue manager is available. • On z/OS, check the console for signs of the failure, such as full page sets.
2270	X'08DE'	<p>MQRC_NO_DESTINATIONS_AVAILABLE</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a cluster queue, but at the time of the call there were no longer any instances of the queue in the cluster. The message therefore could not be sent.</p> <p>This situation can occur when MQOO_BIND_NOT_FIXED is specified on the MQOPEN call that opens the queue, or MQPUT1 is used to put the message.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, z/OS, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Check the queue definition and queue status to determine why all instances of the queue were removed from the cluster. Correct the problem and rerun the application.</p>
2271	X'08DF'	<p>MQRC_CONN_TAG_IN_USE</p> <p>An MQCONN call was issued specifying one of the MQCNO_*_CONN_TAG_* options, but the call failed because the connection tag specified by <i>ConnTag</i> in MQCNO is in use by an active process or thread, or there is an unresolved unit of work that references this connection tag.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The problem is likely to be transitory. The application should wait a short while and then retry the operation.</p>
2273	X'08E1'	<p>MQRC_CONNECTION_ERROR</p> <p>An MQCONN or MQCONNX call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • The system parameter module is not at the same release level as the queue manager. • The channel initiator is not at the same release level as the queue manager. • An internal error was detected by the queue manager. <p>This reason code occurs only on z/OS.</p> <p>Corrective action: If this occurs while starting the channel initiator, ensure that the queue manager and the channel initiator are both at the same release level; check that their started task JCL procedures both specify the same level of WebSphere MQ program libraries. Otherwise, relinkedit the system parameter module (CSQZPARM) to ensure that it is at the correct level. If the problem persists, contact your IBM support center.</p>

Completion and reason codes

2274	X'08E2'	<p>MQRC_OPTION_ENVIRONMENT_ERROR</p> <p>An MQGET call with the MQGMO_MARK_SKIP_BACKOUT option specified was issued from a DB2 Stored Procedure. The call failed because the MQGMO_MARK_SKIP_BACKOUT option cannot be used from a DB2 Stored Procedure.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Remove the MQGMO_MARK_SKIP_BACKOUT option from the MQGET call.</p>
2277	X'08E5'	<p>MQRC_CD_ERROR</p> <p>An MQCONNX call was issued to connect to a queue manager, but the MQCD channel definition structure addressed by the <i>ClientConnOffset</i> or <i>ClientConnPtr</i> field in MQCNO contains data that is not valid. Consult the WebSphere MQ error log for more information about the nature of the error.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that required input fields in the MQCD structure are set correctly.</p>
2278	X'08E6'	<p>MQRC_CLIENT_CONN_ERROR</p> <p>An MQCONNX call was issued to connect to a queue manager, but the MQCD channel definition structure is not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ClientConnOffset</i> is not zero and <i>ClientConnPtr</i> is not zero and not the null pointer. • <i>ClientConnPtr</i> is not a valid pointer. • <i>ClientConnPtr</i> or <i>ClientConnOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, OS/2, OS/400, Solaris, Windows, plus WebSphere MQ clients connected to these systems.</p> <p>Corrective action: Ensure that at least one of <i>ClientConnOffset</i> and <i>ClientConnPtr</i> is zero. Ensure that the field used points to accessible storage.</p>
2279	X'08E7'	<p>MQRC_CHANNEL_STOPPED_BY_USER</p> <p>This condition is detected when the channel has been stopped by an operator. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2280	X'08E8'	<p>MQRC_HCONFIG_ERROR</p> <p>The configuration handle <i>Hconfig</i> specified on the MQXEP call or MQZEP call is not valid. The MQXEP call is issued by an API exit function; the MQZEP call is issued by an installable service.</p> <ul style="list-style-type: none"> • On z/OS, this reason code does not occur. <p>Corrective action: Specify the configuration handle that was provided by the queue manager:</p> <ul style="list-style-type: none"> • On the MQXEP call, use the handle passed in the <i>Hconfig</i> field of the MQAXP structure. • On the MQZEP call, use the handle passed to the installable service's configuration function on the component initialization call. See the <i>WebSphere MQ System Administration Guide</i> book for information about installable services.

Completion and reason codes

2281	X'08E9'	<p>MQRC_FUNCTION_ERROR</p> <p>An MQXEP or MQZEP call was issued, but the function identifier <i>Function</i> specified on the call is not valid, or not supported by the installable service being configured.</p> <ul style="list-style-type: none"> On z/OS, this reason code does not occur. <p>Corrective action: Do the following:</p> <ul style="list-style-type: none"> For the MQXEP call, specify one of the MQXF_* values. For the MQZEP call, specify an MQZID_* value that is valid for the installable service being configured. Refer to the description of the MQZEP call in the <i>WebSphere MQ System Administration Guide</i> book to determine which values are valid.
2282	X'08EA'	<p>MQRC_CHANNEL_STARTED</p> <p>One of the following has occurred:</p> <ul style="list-style-type: none"> An operator has issued a Start Channel command. An instance of a channel has been successfully established. This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary such that message transfer can proceed. <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2283	X'08EB'	<p>MQRC_CHANNEL_STOPPED</p> <p>This condition is detected when the channel has been stopped. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2284	X'08EC'	<p>MQRC_CHANNEL_CONV_ERROR</p> <p>This condition is detected when a channel is unable to do data conversion and the MQGET call to get a message from the transmission queue resulted in a data conversion error. The conversion reason code identifies the reason for the failure.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2285	X'08ED'	<p>MQRC_SERVICE_NOT_AVAILABLE</p> <p>This reason should be returned by an installable service component when the requested action cannot be performed because the required underlying service is not available.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Make the underlying service available.</p>
2286	X'08EE'	<p>MQRC_INITIALIZATION_FAILED</p> <p>This reason should be returned by an installable service component when the component is unable to complete initialization successfully.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2287	X'08EF'	<p>MQRC_TERMINATION_FAILED</p> <p>This reason should be returned by an installable service component when the component is unable to complete termination successfully.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>

Completion and reason codes

2288	X'08F0'	<p>MQRC_UNKNOWN_Q_NAME</p> <p>This reason should be returned by the MQZ_LOOKUP_NAME installable service component when the name specified for the <i>QName</i> parameter is not recognized.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: None. See the <i>WebSphere MQ Programmable Command Formats and Administration Interface</i> book for information about installable services.</p>
2289	X'08F1'	<p>MQRC_SERVICE_ERROR</p> <p>This reason should be returned by an installable service component when the component encounters an unexpected error.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2290	X'08F2'	<p>MQRC_Q_ALREADY_EXISTS</p> <p>This reason should be returned by the MQZ_INSERT_NAME installable service component when the queue specified by the <i>QName</i> parameter is already defined to the name service.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: None. See the <i>WebSphere MQ Programmable Command Formats and Administration Interface</i> book for information about installable service.</p>
2291	X'08F3'	<p>MQRC_USER_ID_NOT_AVAILABLE</p> <p>This reason should be returned by the MQZ_FIND_USERID installable service component when the user ID cannot be determined.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: None. See the <i>WebSphere MQ Programmable Command Formats and Administration Interface</i> book for information about installable services.</p>
2292	X'08F4'	<p>MQRC_UNKNOWN_ENTITY</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>EntityName</i> parameter is not recognized.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2293	X'08F5'	<p>MQRC_UNKNOWN_AUTH_ENTITY</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>AuthEntityName</i> parameter is not recognized.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2294	X'08F6'	<p>MQRC_UNKNOWN_REF_OBJECT</p> <p>This reason should be returned by the MQZ_COPY_ALL_AUTHORITY installable service component when the name specified by the <i>RefObjectName</i> parameter is not recognized.</p> <p>On z/OS, this reason code does not occur.</p> <p>Corrective action: Ensure that the reference object is defined. See the <i>WebSphere MQ Programmable Command Formats and Administration Interface</i> book for information about installable services.</p>

Completion and reason codes

2295	X'08F7'	<p>MQRC_CHANNEL_ACTIVATED</p> <p>This condition is detected when a channel that has been waiting to become active, and for which a Channel Not Activated event has been generated, is now able to become active because an active slot has been released by another channel.</p> <p>This event is not generated for a channel that is able to become active without waiting for an active slot to be released.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2296	X'08F8'	<p>MQRC_CHANNEL_NOT_ACTIVATED</p> <p>This condition is detected when a channel is required to become active, either because it is starting or because it is about to make another attempt to establish connection with its partner. However, it is unable to do so because the limit on the number of active channels has been reached.</p> <ul style="list-style-type: none"> • On z/OS, the maximum number of active channels is given by the ACTCHL parameter in CSQXPARM. • In other environments, the maximum number of active channels is given by the MaxActiveChannels parameter in the qm.ini file. <p>The channel waits until it is able to take over an active slot released when another channel ceases to be active. At that time a Channel Activated event is generated.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2297	X'08F9'	<p>MQRC_UOW_CANCELED</p> <p>An MQI call was issued, but the unit of work (TM/MP transaction) being used for the WebSphere MQ operation had been canceled. This may have been done by TM/MP itself (for example, due to the transaction running for too long, or exceeding audit trail sizes), or by the application program issuing an ABORT_TRANSACTION. All updates performed to WebSphere MQ resources are backed out.</p> <p>Corrective action: Refer to the operating system's <i>Transaction Management Operations Guide</i> to determine how the Transaction Manager can be tuned to avoid the problem of system limits being exceeded.</p>
2298	X'08FA'	<p>MQRC_FUNCTION_NOT_SUPPORTED</p> <p>The function requested is not available in the current environment.</p> <p>Corrective action: Remove the call from the application.</p>
2299	X'08FB'	<p>MQRC_SELECTOR_TYPE_ERROR</p> <p>The <i>Selector</i> parameter has the wrong data type; it must be of type Long.</p> <p>Corrective action: Declare the <i>Selector</i> parameter as Long.</p>
2300	X'08FC'	<p>MQRC_COMMAND_TYPE_ERROR</p> <p>The mqExecute call was issued, but the value of the MQIASY_TYPE data item in the administration bag is not MQCFT_COMMAND.</p> <p>Corrective action: Ensure that the MQIASY_TYPE data item in the administration bag has the value MQCFT_COMMAND.</p>

Completion and reason codes

2301	X'08FD'	<p>MQRC_MULTIPLE_INSTANCE_ERROR</p> <p>The <i>Selector</i> parameter specifies a system selector (one of the MQIASY_* values), but the value of the <i>ItemIndex</i> parameter is not MQIND_NONE. Only one instance of each system selector can exist in the bag.</p> <p>Corrective action: Specify MQIND_NONE for the <i>ItemIndex</i> parameter.</p>
2302	X'08FE'	<p>MQRC_SYSTEM_ITEM_NOT_ALTERABLE</p> <p>A call was issued to modify the value of a system data item in a bag (a data item with one of the MQIASY_* selectors), but the call failed because the data item is one that cannot be altered by the application.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>
2303	X'08FF'	<p>MQRC_BAG_CONVERSION_ERROR</p> <p>The mqBufferToBag or mqGetBag call was issued, but the data in the buffer or message could not be converted into a bag. This occurs when the data to be converted is not valid PCF.</p> <p>Corrective action: Check the logic of the application that created the buffer or message to ensure that the buffer or message contains valid PCF.</p> <p>If the message contains PCF that is not valid, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2304	X'0900'	<p>MQRC_SELECTOR_OUT_OF_RANGE</p> <p>The <i>Selector</i> parameter has a value that is outside the valid range for the call. If the bag was created with the MQCBO_CHECK_SELECTORS option:</p> <ul style="list-style-type: none"> • For the mqAddInteger call, the value must be within the range MQIA_FIRST through MQIA_LAST. • For the mqAddString call, the value must be within the range MQCA_FIRST through MQCA_LAST. <p>If the bag was not created with the MQCBO_CHECK_SELECTORS option: The value must be zero or greater.</p> <p>Corrective action: Specify a valid value.</p>
2305	X'0901'	<p>MQRC_SELECTOR_NOT_UNIQUE</p> <p>The <i>ItemIndex</i> parameter has the value MQIND_NONE, but the bag contains more than one data item with the selector value specified by the <i>Selector</i> parameter. MQIND_NONE requires that the bag contain only one occurrence of the specified selector.</p> <p>This reason code also occurs on the mqExecute call when the administration bag contains two or more occurrences of a selector for a required parameter that permits only one occurrence.</p> <p>Corrective action: Check the logic of the application that created the bag. If correct, specify for <i>ItemIndex</i> a value that is zero or greater, and add application logic to process all of the occurrences of the selector in the bag.</p> <p>Review the description of the administration command being issued, and ensure that all required parameters are defined correctly in the bag.</p>

Completion and reason codes

2306	X'0902'	<p>MQRC_INDEX_NOT_PRESENT</p> <p>The specified index is not present:</p> <ul style="list-style-type: none"> • For a bag, this means that the bag contains one or more data items that have the selector value specified by the <i>Selector</i> parameter, but none of them has the index value specified by the <i>ItemIndex</i> parameter. The data item identified by the <i>Selector</i> and <i>ItemIndex</i> parameters must exist in the bag. • For a namelist, this means that the index parameter value is too large, and outside the range of valid values. <p>Corrective action: Specify the index of a data item that does exist in the bag or namelist. Use the <i>mqCountItems</i> call to determine the number of data items with the specified selector that exist in the bag, or the <i>nameCount</i> method to determine the number of names in the namelist.</p>
2307	X'0903'	<p>MQRC_STRING_ERROR</p> <p>The <i>String</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2308	X'0904'	<p>MQRC_ENCODING_NOT_SUPPORTED</p> <p>The <i>Encoding</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the <i>mqPutBag</i> call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the <i>mqGetBag</i> call, the field in error resides in: <ul style="list-style-type: none"> – The <i>MsgDesc</i> parameter of the call if the MQGMO_CONVERT option was specified. – The message descriptor of the message about to be retrieved if MQGMO_CONVERT was <i>not</i> specified. <p>Corrective action: The value must be MQENC_NATIVE.</p> <p>If the value of the <i>Encoding</i> field in the message is not valid, the message cannot be retrieved using the <i>mqGetBag</i> call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2309	X'0905'	<p>MQRC_SELECTOR_NOT_PRESENT</p> <p>The <i>Selector</i> parameter specifies a selector that does not exist in the bag.</p> <p>Corrective action: Specify a selector that does exist in the bag.</p>
2310	X'0906'	<p>MQRC_OUT_SELECTOR_ERROR</p> <p>The <i>OutSelector</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2311	X'0907'	<p>MQRC_STRING_TRUNCATED</p> <p>The string returned by the call is too long to fit in the buffer provided. The string has been truncated to fit in the buffer.</p> <p>Corrective action: If the entire string is required, provide a larger buffer. On the <i>mqInquireString</i> call, the <i>StringLength</i> parameter is set by the call to indicate the size of the buffer required to accommodate the string without truncation.</p>

2312	X'0908'	<p>MQRC_SELECTOR_WRONG_TYPE</p> <p>A data item with the specified selector exists in the bag, but has a data type that conflicts with the data type implied by the call being used. For example, the data item might have an integer data type, but the call being used might be <code>mqSetString</code>, which implies a character data type.</p> <p>This reason code also occurs on the <code>mqBagToBuffer</code>, <code>mqExecute</code>, and <code>mqPutBag</code> calls when <code>mqAddString</code> or <code>mqSetString</code> was used to add the <code>MQIACF_INQUIRY</code> data item to the bag.</p> <p>Corrective action: For the <code>mqSetInteger</code> and <code>mqSetString</code> calls, specify <code>MQIND_ALL</code> for the <i>ItemIndex</i> parameter to delete from the bag all existing occurrences of the specified selector before creating the new occurrence with the required data type.</p> <p>For the <code>mqInquireBag</code>, <code>mqInquireInteger</code>, and <code>mqInquireString</code> calls, use the <code>mqInquireItemInfo</code> call to determine the data type of the item with the specified selector, and then use the appropriate call to determine the value of the data item.</p> <p>For the <code>mqBagToBuffer</code>, <code>mqExecute</code>, and <code>mqPutBag</code> calls, ensure that the <code>MQIACF_INQUIRY</code> data item is added to the bag using the <code>mqAddInteger</code> or <code>mqSetInteger</code> calls.</p>
2313	X'0909'	<p>MQRC_INCONSISTENT_ITEM_TYPE</p> <p>The <code>mqAddInteger</code> or <code>mqAddString</code> call was issued to add another occurrence of the specified selector to the bag, but the data type of this occurrence differed from the data type of the first occurrence.</p> <p>This reason can also occur on the <code>mqBufferToBag</code> and <code>mqGetBag</code> calls, where it indicates that the PCF in the buffer or message contains a selector that occurs more than once but with inconsistent data types.</p> <p>Corrective action: For the <code>mqAddInteger</code> and <code>mqAddString</code> calls, use the call appropriate to the data type of the first occurrence of that selector in the bag.</p> <p>For the <code>mqBufferToBag</code> and <code>mqGetBag</code> calls, check the logic of the application that created the buffer or sent the message to ensure that multiple-occurrence selectors occur with only one data type. A message that contains a mixture of data types for a selector cannot be retrieved using the <code>mqGetBag</code> call:</p> <ul style="list-style-type: none"> • If one of the <code>MQGMO_BROWSE_*</code> options was specified, the message remains on the queue and can be retrieved using the <code>MQGET</code> call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the <code>MQGET</code> call.
2314	X'090A'	<p>MQRC_INDEX_ERROR</p> <p>An index parameter to a call or method has a value that is not valid. The value must be zero or greater. For bag calls, certain <code>MQIND_*</code> values can also be specified:</p> <ul style="list-style-type: none"> • For the <code>mqDeleteItem</code>, <code>mqSetInteger</code> and <code>mqSetString</code> calls, <code>MQIND_ALL</code> and <code>MQIND_NONE</code> are valid. • For the <code>mqInquireBag</code>, <code>mqInquireInteger</code>, <code>mqInquireString</code>, and <code>mqInquireItemInfo</code> calls, <code>MQIND_NONE</code> is valid. <p>Corrective action: Specify a valid value.</p>
2315	X'090B'	<p>MQRC_SYSTEM_BAG_NOT_ALTERABLE</p> <p>A call was issued to add a data item to a bag, modify the value of an existing data item in a bag, or retrieve a message into a bag, but the call failed because the bag is one that had been created by the system as a result of a previous <code>mqExecute</code> call. System bags cannot be modified by the application.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>

Completion and reason codes

2316	X'090C'	<p>MQRC_ITEM_COUNT_ERROR</p> <p>The <code>mqTruncateBag</code> call was issued, but the <i>ItemCount</i> parameter specifies a value that is not valid. The value is either less than zero, or greater than the number of user-defined data items in the bag.</p> <p>This reason also occurs on the <code>mqCountItems</code> call if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid value. Use the <code>mqCountItems</code> call to determine the number of user-defined data items in the bag.</p>
2317	X'090D'	<p>MQRC_FORMAT_NOT_SUPPORTED</p> <p>The <i>Format</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the <code>mqPutBag</code> call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the <code>mqGetBag</code> call, the field in error resides in the message descriptor of the message about to be retrieved. <p>Corrective action: The value must be one of the following:</p> <p>MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF</p> <p>If the value of the <i>Format</i> field in the message is none of these values, the message cannot be retrieved using the <code>mqGetBag</code> call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2318	X'090E'	<p>MQRC_SELECTOR_NOT_SUPPORTED</p> <p>The <i>Selector</i> parameter specifies a value that is a system selector (a value that is negative), but the system selector is not one that is supported by the call.</p> <p>Corrective action: Specify a selector value that is supported.</p>
2319	X'090F'	<p>MQRC_ITEM_VALUE_ERROR</p> <p>The <code>mqInquireBag</code> or <code>mqInquireInteger</code> call was issued, but the <i>ItemValue</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2320	X'0910'	<p>MQRC_HBAG_ERROR</p> <p>A call was issued that has a parameter that is a bag handle, but the handle is not valid. For output parameters, this reason also occurs if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2321	X'0911'	<p>MQRC_PARAMETER_MISSING</p> <p>An administration message requires a parameter that is not present in the administration bag. This reason code occurs only for bags created with the MQCBO_ADMIN_BAG or MQCBO_REORDER_AS_REQUIRED options.</p> <p>Corrective action: Review the description of the administration command being issued, and ensure that all required parameters are present in the bag.</p>

Completion and reason codes

2322	X'0912'	<p>MQRC_CMD_SERVER_NOT_AVAILABLE</p> <p>The command server that processes administration commands is not available.</p> <p>Corrective action: Start the command server.</p>
2323	X'0913'	<p>MQRC_STRING_LENGTH_ERROR</p> <p>The <i>StringLength</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2324	X'0914'	<p>MQRC_INQUIRY_COMMAND_ERROR</p> <p>The mqAddInquiry call was used previously to add attribute selectors to the bag, but the command code to be used for the mqBagToBuffer, mqExecute, or mqPutBag call is not recognized. As a result, the correct PCF message cannot be generated.</p> <p>Corrective action: Remove the mqAddInquiry calls and use instead the mqAddInteger call with the appropriate MQIACF_*_ATTRS or MQIACH_*_ATTRS selectors.</p>
2325	X'0915'	<p>MQRC_NESTED_BAG_NOT_SUPPORTED</p> <p>A bag that is input to the call contains nested bags. Nested bags are supported only for bags that are output from the call.</p> <p>Corrective action: Use a different bag as input to the call.</p>
2326	X'0916'	<p>MQRC_BAG_WRONG_TYPE</p> <p>The <i>Bag</i> parameter specifies the handle of a bag that has the wrong type for the call. The bag must be an administration bag, that is, it must be created with the MQCBO_ADMIN_BAG option specified on the mqCreateBag call.</p> <p>Corrective action: Specify the MQCBO_ADMIN_BAG option when the bag is created.</p>
2327	X'0917'	<p>MQRC_ITEM_TYPE_ERROR</p> <p>The mqInquireItemInfo call was issued, but the <i>ItemType</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2328	X'0918'	<p>MQRC_SYSTEM_BAG_NOT_DELETABLE</p> <p>An mqDeleteBag call was issued to delete a bag, but the call failed because the bag is one that had been created by the system as a result of a previous mqExecute call. System bags cannot be deleted by the application.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>
2329	X'0919'	<p>MQRC_SYSTEM_ITEM_NOT_DELETABLE</p> <p>A call was issued to delete a system data item from a bag (a data item with one of the MQIASY_* selectors), but the call failed because the data item is one that cannot be deleted by the application.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>

Completion and reason codes

2330	X'091A'	<p>MQRC_CODED_CHAR_SET_ID_ERROR</p> <p>The <i>CodedCharSetId</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2331	X'091B'	<p>MQRC_MSG_TOKEN_ERROR</p> <p>An MQGET call was issued to retrieve a message using the message token as a selection criterion, but the options specified are not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • MQMO_MATCH_MSG_TOKEN was specified, but the queue is not indexed by message token (that is, the queue's <i>IndexType</i> attribute does not have the value MQIT_MSG_TOKEN). • MQMO_MATCH_MSG_TOKEN was specified with either MQGMO_WAIT or MQGMO_SET_SIGNAL. <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Do one of the following:</p> <ul style="list-style-type: none"> • Modify the queue definition so that the queue is indexed by message token. • Remove the MQMO_MATCH_MSG_TOKEN option from the MQGET call.
2332	X'091C'	<p>MQRC_MISSING_WIH</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue whose <i>IndexType</i> attribute had the value MQIT_MSG_TOKEN, but the <i>Format</i> field in the MQMD was not MQFMT_WORK_INFO_HEADER. This error occurs only when the message arrives at the destination queue manager.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Modify the application to ensure that it places an MQWIH structure at the start of the message data, and sets the <i>Format</i> field in the MQMD to MQFMT_WORK_INFO_HEADER.</p>
2333	X'091D'	<p>MQRC_WIH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQWIH structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQWIH_STRUC_ID. • The <i>Version</i> field is not MQWIH_VERSION_1. • The <i>StrucLength</i> field is not MQWIH_LENGTH_1. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). • On z/OS, this error also occurs when the <i>IndexType</i> attribute of the queue is MQIT_MSG_TOKEN, but the message data does not begin with an MQWIH structure. <p>Corrective action: Modify the application to ensure that it places a valid MQWIH structure at the start of the message data.</p>

2334	X'091E'	<p>MQRC_RFH_ERROR</p> <p>An MQPUT or MQPUT1 call was issued, but the message data contains an MQRFH or MQRFH2 structure that is not valid. Possible errors include the following:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQRFH_STRUC_ID. • The <i>Version</i> field is not MQRFH_VERSION_1 (MQRFH), or MQRFH_VERSION_2 (MQRFH2). • The <i>StrucLength</i> field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure. • The <i>CodedCharSetId</i> field is zero, or a negative value that is not valid. • The <i>BufferLength</i> parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message). <p>Corrective action: Modify the application that generated the message to ensure that it places a valid MQRFH structure in the message data.</p>
2335	X'091F'	<p>MQRC_RFH_STRING_ERROR</p> <p>The contents of the <i>NameValueString</i> field in the MQRFH structure are not valid. <i>NameValueString</i> must adhere to the following rules:</p> <ul style="list-style-type: none"> • The string must consist of zero or more name/value pairs separated from each other by one or more blanks; the blanks are not significant. • If a name or value contains blanks that are significant, the name or value must be enclosed in double-quote characters. • If a name or value itself contains one or more double-quote characters, the name or value must be enclosed in double-quote characters, and each embedded double-quote character must be doubled. • A name or value can contain any characters other than the null, which acts as a delimiter. The null and characters following it, up to the defined length of <i>NameValueString</i>, are ignored. <p>The following is a valid <i>NameValueString</i>: Famous_Words "The program displayed ""Hello World"""</p> <p>Corrective action: Modify the application that generated the message to ensure that it places in the <i>NameValueString</i> field data that adheres to the rules listed above. Check that the <i>StrucLength</i> field is set to the correct value.</p>
2336	X'0920'	<p>MQRC_RFH_COMMAND_ERROR</p> <p>The message contains an MQRFH structure, but the command name contained in the <i>NameValueString</i> field is not valid.</p> <p>Corrective action: Modify the application that generated the message to ensure that it places in the <i>NameValueString</i> field a command name that is valid.</p>
2337	X'0921'	<p>MQRC_RFH_PARM_ERROR</p> <p>The message contains an MQRFH structure, but a parameter name contained in the <i>NameValueString</i> field is not valid for the command specified.</p> <p>Corrective action: Modify the application that generated the message to ensure that it places in the <i>NameValueString</i> field only parameters that are valid for the specified command.</p>
2338	X'0922'	<p>MQRC_RFH_DUPLICATE_PARM</p> <p>The message contains an MQRFH structure, but a parameter occurs more than once in the <i>NameValueString</i> field when only one occurrence is valid for the specified command.</p> <p>Corrective action: Modify the application that generated the message to ensure that it places in the <i>NameValueString</i> field only one occurrence of the parameter.</p>

Completion and reason codes

2339	X'0923'	<p>MQRC_RFH_PARM_MISSING</p> <p>The message contains an MQRFH structure, but the command specified in the <i>NameValueString</i> field requires a parameter that is not present.</p> <p>Corrective action: Modify the application that generated the message to ensure that it places in the <i>NameValueString</i> field all parameters that are required for the specified command.</p>
2340	X'0924'	<p>MQRC_CHAR_CONVERSION_ERROR</p> <p>This reason code is returned by the Java™ MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between two nonUnicode character sets.</p> <p>This reason code occurs in the following environment: WebSphere MQ Classes for Java on z/OS.</p> <p>Corrective action: Ensure that the National Language Resources component of the z/OS Language Environment® is installed, and that conversion between the IBM-1047 and ISO8859-1 character sets is available.</p>
2341	X'0925'	<p>MQRC_UCS2_CONVERSION_ERROR</p> <p>This reason code is returned by the Java MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between the UCS-2 Unicode character set and the queue-manager's character set. IBM-500 is used for the queue-manager's character set if no specific value is available.</p> <p>This reason code occurs in the following environment: WebSphere MQ classes for Java on z/OS.</p> <p>Corrective action: Ensure that the relevant Unicode conversion tables are installed, and that they are available to the z/OS Language Environment. The conversion tables should be installed as part of the z/OS C/C++ optional feature. Refer to the <i>z/OS C/C++ Programming Guide</i> for more information about enabling UCS-2 conversions.</p>
2342	X'0926'	<p>MQRC_DB2_NOT_AVAILABLE</p> <p>An MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the queue manager is not connected to a DB2 subsystem. As a result, the queue manager is unable to access the object definition relating to the shared queue.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Configure the DB2 subsystem so that the queue manager can connect to it.</p>
2343	X'0927'	<p>MQRC_OBJECT_NOT_UNIQUE</p> <p>An MQOPEN or MQPUT1 call was issued to access a queue, but the call failed because the queue specified in the MQOD structure cannot be resolved unambiguously. There exists a shared queue with the specified name, and a nonshared queue with the same name.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: One of the queues must be deleted. If the queue to be deleted contains messages, use the MQSC command MOVE QLOCAL to move the messages to a different queue, and then use the command DELETE QLOCAL to delete the queue.</p>

Completion and reason codes

2344	X'0928'	<p>MQRC_CONN_TAG_NOT_RELEASED</p> <p>An MQDISC call was issued when there was a unit of work outstanding for the connection handle. For CICS, IMS, and RRS connections, the MQDISC call does not commit or back out the unit of work. As a result, the connection tag associated with the unit of work is not yet available for reuse. The tag becomes available for reuse only when processing of the unit of work has been completed.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Do not try to reuse the connection tag immediately. If the MQCONN call is issued with the same connection tag, and that tag is still in use, the call fails with reason code MQRC_CONN_TAG_IN_USE.</p>
2345	X'0929'	<p>MQRC_CF_NOT_AVAILABLE</p> <p>An MQOPEN or MQPUT1 call was issued to access a shared queue, but the allocation of the coupling-facility structure specified in the queue definition failed because there is no suitable coupling facility to hold the structure, based on the preference list in the active CFRM policy.</p> <p>This reason code can also occur when the API call requires a capability that is not supported by the CF level defined in the coupling-facility structure object. For example, this reason code is returned by an attempt to open a shared queue that has a index type of MQIT_GROUP_ID, but the coupling-facility structure for the queue has a CF level lower than three.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Make available a coupling facility with one of the names specified in the CFRM policy, or modify the CFRM policy to specify the names of coupling facilities that are available.</p>
2346	X'092A'	<p>MQRC_CF_STRUC_IN_USE</p> <p>An MQI call was issued to operate on a shared queue, but the call failed because the coupling-facility structure specified in the queue definition is temporarily unavailable. The coupling-facility structure can be unavailable because a structure dump is in progress, or new connectors to the structure are currently inhibited, or an existing connector to the structure failed or disconnected abnormally and clean-up is not yet complete.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The problem is temporary; wait a short while and then retry the operation.</p>
2347	X'092B'	<p>MQRC_CF_STRUC_LIST_HDR_IN_USE</p> <p>An MQGET, MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the list header associated with the coupling-facility structure specified in the queue definition is temporarily unavailable. The list header is unavailable because it is undergoing recovery processing.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The problem is temporary; wait a short while and then retry the operation.</p>
2348	X'092C'	<p>MQRC_CF_STRUC_AUTH_FAILED</p> <p>An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the user is not authorized to access the coupling-facility structure specified in the queue definition.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Modify the security profile for the user identifier used by the application so that the application can access the coupling-facility structure specified in the queue definition.</p>

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2349	X'092D'	<p>MQRC_CF_STRUC_ERROR</p> <p>An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the coupling-facility structure name specified in the queue definition is not defined in the CFRM data set, or is not the name of a list structure.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Modify the queue definition to specify the name of a coupling-facility list structure that is defined in the CFRM data set.</p>
2350	X'092E'	<p>MQRC_CONN_TAG_NOT_USABLE</p> <p>An MQCONN call was issued specifying one of the MQCNO_*_CONN_TAG_* options, but the call failed because the connection tag specified by <i>ConnTag</i> in MQCNO is being used by the queue manager for recovery processing, and this processing is delayed pending recovery of the coupling facility.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The problem is likely to persist. Consult the system programmer to ascertain the cause of the problem.</p>
2351	X'092F'	<p>MQRC_GLOBAL_UOW_CONFLICT</p> <p>An attempt was made to use inside a global unit of work a connection handle that is participating in another global unit of work. This can occur when an application passes connection handles between objects where the objects are involved in different DTC transactions. Because transaction completion is asynchronous, it is possible for this error to occur <i>after</i> the application has finalized the first object and committed its transaction.</p> <p>This error does not occur for nontransactional MQI calls.</p> <p>This reason code occurs only on Windows.</p> <p>Corrective action: Check that the "MTS Transaction Support" attribute defined for the object's class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.</p>
2352	X'0930'	<p>MQRC_LOCAL_UOW_CONFLICT</p> <p>An attempt was made to use inside a global unit of work a connection handle that is participating in a queue-manager coordinated local unit of work. This can occur when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not.</p> <p>This error does not occur for nontransactional MQI calls.</p> <p>This reason code occurs only on Windows.</p> <p>Corrective action: Check that the "MTS Transaction Support" attribute defined for the object's class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.</p>

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2353	X'0931'	<p>MQRC_HANDLE_IN_USE_FOR_UOW</p> <p>An attempt was made to use outside a unit of work a connection handle that is participating in a global unit of work.</p> <p>This error can occur when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not. Because transaction completion is asynchronous, it is possible for this error to occur <i>after</i> the application has finalized the first object and committed its transaction.</p> <p>This error can also occur when a single object that was created and associated with the transaction loses that association whilst the object is running. The association is lost when DTC terminates the transaction independently of MTS. This might be because the transaction timed out, or because DTC shut down.</p> <p>This error does not occur for nontransactional MQI calls.</p> <p>This reason code occurs only on Windows.</p> <p>Corrective action: Check that the "MTS Transaction Support" attribute defined for the object's class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.</p>
2354	X'0932'	<p>MQRC_UOW_ENLISTMENT_ERROR</p> <p>This reason code can occur for a variety of reasons. The most likely reason is that an object created by a DTC transaction does not issue a transactional MQI call until after the DTC transaction has timed out. (If the DTC transaction times out after a transactional MQI call has been issued, reason code MQRC_HANDLE_IN_USE_FOR_UOW is returned by the failing MQI call.)</p> <p>Another cause of MQRC_UOW_ENLISTMENT_ERROR is incorrect installation; Windows NT Service pack must be installed after the Windows NT Option pack.</p> <p>This reason code occurs only on Windows.</p> <p>Corrective action: Check the DTC "Transaction timeout" value. If necessary, verify the NT installation order.</p>

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2355	X'0933'	<p>MQRC_UOW_MIX_NOT_SUPPORTED</p> <p>The mixture of calls used by the application to perform operations within a unit of work is not supported. In particular, it is not possible to mix within the same process a local unit of work coordinated by the queue manager with a global unit of work coordinated by DTC (Distributed Transaction Coordinator).</p> <p>An application may cause this mixture to arise if some objects in a package are coordinated by DTC and others are not. It can also occur if transactional MQI calls from an MTS client are mixed with transactional MQI calls from a library package transactional MTS object.</p> <p>No problem arises if all transactional MQI calls originate from transactional MTS objects, or all transactional MQI calls originate from nontransactional MTS objects. But when a mixture of styles is used, the first style used fixes the style for the unit of work, and subsequent attempts to use the other style within the process fail with reason code MQRC_UOW_MIX_NOT_SUPPORTED.</p> <p>When an application is run twice, scheduling factors in the operating system mean that it is possible for the queue-manager-coordinated transactional calls to fail in one run, and for the DTC-coordinated transactional calls to fail in the other run.</p> <p>This reason code occurs only on Windows when running a version of the queue manager prior to version 5.2.</p> <p>Corrective action: Check that the "MTS Transaction Support" attribute defined for the object's class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.</p>
2356	X'0934'	<p>MQRC_WXP_ERROR</p> <p>An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the workload exit parameter structure <i>ExitParms</i> is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The <i>StrucId</i> field is not MQWXP_STRUC_ID. • The <i>Version</i> field is not MQWXP_VERSION_2. <p>Corrective action: Ensure that the parameter specified for <i>ExitParms</i> is the MQWXP structure that was passed to the exit when the exit was invoked.</p>
2357	X'0935'	<p>MQRC_CURRENT_RECORD_ERROR</p> <p>An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the address specified by the <i>CurrentRecord</i> parameter is not the address of a valid record. <i>CurrentRecord</i> must be the address of a destination record (MQWDR), queue record (MQWQR), or cluster record (MQWCR) residing within the cluster cache.</p> <p>Corrective action: Ensure that the cluster workload exit passes the address of a valid record residing in the cluster cache.</p>
2358	X'0936'	<p>MQRC_NEXT_OFFSET_ERROR</p> <p>An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the offset specified by the <i>NextOffset</i> parameter is not valid. <i>NextOffset</i> must be the value of one of the following fields:</p> <ul style="list-style-type: none"> • <i>ChannelDefOffset</i> field in MQWDR • <i>ClusterRecOffset</i> field in MQWDR • <i>ClusterRecOffset</i> field in MQWQR • <i>ClusterRecOffset</i> field in MQWCR <p>Corrective action: Ensure that the value specified for the <i>NextOffset</i> parameter is the value of one of the fields listed above.</p>

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2359	X'0937'	<p>MQRC_NO_RECORD_AVAILABLE</p> <p>An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the current record is the last record in the chain.</p> <p>Corrective action: None.</p>
2360	X'0938'	<p>MQRC_OBJECT_LEVEL_INCOMPATIBLE</p> <p>An MQOPEN or MQPUT1 call was issued, but the definition of the object to be accessed is not compatible with the queue manager to which the application has connected. The object definition was created or modified by a different version of the queue manager.</p> <p>If the object to be accessed is a queue, the incompatible object definition could be the object specified by the MQOD structure on the call, or one of the object definitions used to resolve the specified object (for example, the base queue to which an alias queue resolves, or the transmission queue to which a remote queue or queue-manager alias resolves).</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: The application must be run on a queue manager that is compatible with the object definition. Refer to the <i>WebSphere MQ for z/OS Concepts and Planning Guide</i> and the <i>WebSphere MQ for z/OS System Setup Guide</i> for information about compatibility and migration between different versions of the queue manager.</p>
2362	X'093A'	<p>MQRC_BACKOUT_THRESHOLD_REACHED</p> <p>This reason code occurs only in the <i>Reason</i> field in an MQDLH structure, or in the <i>Feedback</i> field in the MQMD of a report message.</p> <p>A JMS ConnectionConsumer found a message that exceeds the queue's backout threshold. The queue does not have a backout requeue queue defined, so the message was processed as specified by the disposition options in the <i>Report</i> field in the MQMD of the message.</p> <p>On queue managers that do not support the <i>BackoutThreshold</i> and <i>BackoutRequeueQName</i> queue attributes, JMS ConnectionConsumer uses a value of 20 for the backout threshold. When the <i>BackoutCount</i> of a message reaches this threshold, the message is processed as specified by the disposition options.</p> <p>If the <i>Report</i> field specifies one of the MQRO_EXCEPTION_* options, this reason code appears in the <i>Feedback</i> field of the report message. If the <i>Report</i> field specifies MQRO_DEAD_LETTER_Q, or the disposition report options are left as default, this reason code appears in the <i>Reason</i> field of the MQDLH.</p> <p>Investigate the cause of the backout count being greater than the threshold. To correct this, define the backout queue for the queue concerned.</p>
2363	X'093B'	<p>MQRC_MSG_NOT_MATCHED</p> <p>This reason code occurs only in the <i>Reason</i> field in an MQDLH structure, or in the <i>Feedback</i> field in the MQMD of a report message.</p> <p>While performing Point-to-Point messaging, JMS encountered a message matching none of the selectors of ConnectionConsumers monitoring the queue. To maintain performance, the message was processed as specified by the disposition options in the <i>Report</i> field in the MQMD of the message.</p> <p>If the <i>Report</i> field specifies one of the MQRO_EXCEPTION_* options, this reason code appears in the <i>Feedback</i> field of the report message. If the <i>Report</i> field specifies MQRO_DEAD_LETTER_Q, or the disposition report options are left as default, this reason code appears in the <i>Reason</i> field of the MQDLH.</p> <p>Corrective action: Ensure that the ConnectionConsumers monitoring the queue provide a complete set of selectors. Alternatively, set the QueueConnectionFactory to retain messages.</p>

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2364	X'093C'	<p>MQRC_JMS_FORMAT_ERROR</p> <p>This reason code is generated when JMS encounters a message that it is unable to parse. If such a message is encountered by a JMS ConnectionConsumer, the message is processed as specified by the disposition options in the <i>Report</i> field in the MQMD of the message.</p> <p>If the <i>Report</i> field specifies one of the MQRO_EXCEPTION_* options, this reason code appears in the <i>Feedback</i> field of the report message. If the <i>Report</i> field specifies MQRO_DEAD_LETTER_Q, or the disposition report options are left as default, this reason code appears in the <i>Reason</i> field of the MQDLH.</p> <p>Corrective Action: Investigate the origin of the message.</p>
2365	X'093D'	<p>MQRC_SEGMENTS_NOT_SUPPORTED</p> <p>An MQPUT call was issued to put a segment of a logical message, but the queue on which the message is to be placed has an <i>IndexType</i> of MQIT_GROUP_ID. Message segments cannot be placed on queues with this index type.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Modify the application to put messages that are not segments; ensure that the MQMF_SEGMENT and MQMF_LAST_SEGMENT flags in the <i>MsgFlags</i> field in MQMD are not set, and that the <i>Offset</i> is zero. Alternatively, change the index type of the queue.</p>
2366	X'093E'	<p>MQRC_WRONG_CF_LEVEL</p> <p>An MQOPEN or MQPUT1 call was issued specifying a shared queue, but the queue requires a coupling-facility structure with a different level of capability.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Ensure that the coupling-facility structure used for the queue is at the level required to support the capabilities that the queue provides.</p>
2367	X'093F'	<p>MQRC_CONFIG_CREATE_OBJECT</p> <p>This condition is detected when an object is created.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2368	X'0940'	<p>MQRC_CONFIG_CHANGE_OBJECT</p> <p>This condition is detected when an object is changed.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2369	X'0941'	<p>MQRC_CONFIG_DELETE_OBJECT</p> <p>This condition is detected when an object is deleted.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2370	X'0942'	<p>MQRC_CONFIG_REFRESH_OBJECT</p> <p>This condition is detected when an object is refreshed.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

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2371	X'0943'	<p>MQRC_CHANNEL_SSL_ERROR</p> <p>This condition is detected when a connection cannot be established due to an SSL key-exchange or authentication failure.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2373	X'0945'	<p>MQRC_CF_STRUC_FAILED</p> <p>An MQI call was issued to access a shared queue, but the call failed because the coupling-facility structure used for the shared queue had failed.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Report the problem to the operator or administrator, who should use the MQSC command RECOVER CFSTRUCT to initiate recovery of the coupling-facility structure</p>
2374	X'0946'	<p>MQRC_API_EXIT_ERROR</p> <p>An API exit function returned an invalid response code, or failed in some other way.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Check the exit logic to ensure that the exit is returning valid values in the <i>ExitResponse</i> and <i>ExitResponse2</i> fields of the MQAXP structure. Consult the FFST record to see if it contains more detail about the problem.</p>
2375	X'0947'	<p>MQRC_API_EXIT_INIT_ERROR</p> <p>The queue manager encountered an error while attempting to initialize the execution environment for an API exit function.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Consult the FFST record to obtain more detail about the problem.</p>
2376	X'0948'	<p>MQRC_API_EXIT_TERM_ERROR</p> <p>The queue manager encountered an error while attempting to terminate the execution environment for an API exit function.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Consult the FFST record to obtain more detail about the problem.</p>
2377	X'0949'	<p>MQRC_EXIT_REASON_ERROR</p> <p>An MQXEP call was issued by an API exit function, but the value specified for the <i>ExitReason</i> parameter is either not valid, or not supported for the specified function identifier <i>Function</i>.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Modify the exit function to specify a value for <i>ExitReason</i> that is valid for the specified value of <i>Function</i>.</p>
2378	X'094A'	<p>MQRC_RESERVED_VALUE_ERROR</p> <p>An MQXEP call was issued by an API exit function, but the value specified for the <i>Reserved</i> parameter is not valid. The value must be the null pointer.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Modify the exit to specify the null pointer as the value of the <i>Reserved</i> parameter.</p>

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2379	X'094B'	<p>MQRC_NO_DATA_AVAILABLE</p> <p>This reason should be returned by the MQZ_ENUMERATE_AUTHORITY_DATA installable service component when there is no more authority data to return to the invoker of the service component.</p> <ul style="list-style-type: none"> On z/OS, this reason code does not occur. <p>Corrective action: None.</p>
2380	X'904C'	<p>MQRC_SCO_ERROR</p> <p>On an MQCONN call, the MQSCO structure is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> The <i>StrucId</i> field is not MQSCO_STRUC_ID. The <i>Version</i> field is not MQSCO_VERSION_1. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Correct the definition of the MQSCO structure.</p>
2381	X'094D'	<p>MQRC_KEY_REPOSITORY_ERROR</p> <p>On an MQCONN or MQCONN call, the location of the key repository is either not specified, not valid, or results in an error when used to access the key repository. The location of the key repository is specified by one of the following:</p> <ul style="list-style-type: none"> The value of the MQSSLKEYR environment variable (MQCONN or MQCONN call), or The value of the <i>KeyRepository</i> field in the MQSCO structure (MQCONN call only). <p>For the MQCONN call, if both MQSSLKEYR and <i>KeyRepository</i> are specified, the latter is used.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a valid location for the key repository.</p>
2382	X'094E'	<p>MQRC_CRYPTO_HARDWARE_ERROR</p> <p>On an MQCONN or MQCONN call, the configuration string for the cryptographic hardware is not valid, or results in an error when used to configure the cryptographic hardware. The configuration string is specified by one of the following:</p> <ul style="list-style-type: none"> The value of the MQSSLCryp environment variable (MQCONN or MQCONN call), or The value of the <i>CryptoHardware</i> field in the MQSCO structure (MQCONN call only). <p>For the MQCONN call, if both MQSSLCryp and <i>CryptoHardware</i> are specified, the latter is used.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a valid configuration string for the cryptographic hardware.</p>
2383	X'094F'	<p>MQRC_AUTH_INFO_REC_COUNT_ERROR</p> <p>On an MQCONN call, the <i>AuthInfoRecCount</i> field in the MQSCO structure specifies a value that is less than zero.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a value for <i>AuthInfoRecCount</i> that is zero or greater.</p>

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2384	X'0950'	<p>MQRC_AUTH_INFO_REC_ERROR</p> <p>On an MQCONNX call, the MQSCO structure does not specify the address of the MQAIR records correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>AuthInfoRecCount</i> is greater than zero, but <i>AuthInfoRecOffset</i> is zero and <i>AuthInfoRecPtr</i> is the null pointer. • <i>AuthInfoRecOffset</i> is not zero and <i>AuthInfoRecPtr</i> is not the null pointer. • <i>AuthInfoRecPtr</i> is not a valid pointer. • <i>AuthInfoRecOffset</i> or <i>AuthInfoRecPtr</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Ensure that one of <i>AuthInfoRecOffset</i> or <i>AuthInfoRecPtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>
2385	X'0951'	<p>MQRC_AIR_ERROR</p> <p>On an MQCONNX call, an MQAIR record is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> field is not MQAIR_STRUC_ID. • The <i>Version</i> field is not MQAIR_VERSION_1. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Correct the definition of the MQAIR record.</p>
2386	X'0952'	<p>MQRC_AUTH_INFO_TYPE_ERROR</p> <p>On an MQCONNX call, the <i>AuthInfoType</i> field in an MQAIR record specifies a value that is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify MQAIT_CRL_LDAP for <i>AuthInfoType</i>.</p>
2387	X'0953'	<p>MQRC_AUTH_INFO_CONN_NAME_ERROR</p> <p>On an MQCONNX call, the <i>AuthInfoConnName</i> field in an MQAIR record specifies a value that is not valid.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a valid connection name.</p>
2388	X'0954'	<p>MQRC_LDAP_USER_NAME_ERROR</p> <p>On an MQCONNX call, an LDAP user name in an MQAIR record is not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>LDAPUserNameLength</i> is greater than zero, but <i>LDAPUserNameOffset</i> is zero and <i>LDAPUserNamePtr</i> is the null pointer. • <i>LDAPUserNameOffset</i> is nonzero and <i>LDAPUserNamePtr</i> is not the null pointer. • <i>LDAPUserNamePtr</i> is not a valid pointer. • <i>LDAPUserNameOffset</i> or <i>LDAPUserNamePtr</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Ensure that one of <i>LDAPUserNameOffset</i> or <i>LDAPUserNamePtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>

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2389	X'0955'	<p>MQRC_LDAP_USER_NAME_LENGTH_ERR</p> <p>On an MQCONN call, the <i>LDAPUserNameLength</i> field in an MQAIR record specifies a value that is less than zero.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a value for <i>LDAPUserNameLength</i> that is zero or greater.</p>
2390	X'0956'	<p>MQRC_LDAP_PASSWORD_ERROR</p> <p>On an MQCONN call, the <i>LDAPPassword</i> field in an MQAIR record specifies a value when no value is allowed.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Specify a value that is blank or null.</p>
2391	X'0957'	<p>MQRC_SSL_ALREADY_INITIALIZED</p> <p>An MQCONN or MQCONN call was issued with SSL configuration options specified, but the SSL environment had already been initialized. The connection to the queue manager completed successfully, but the SSL configuration options specified on the call were ignored; the existing SSL environment was used instead.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: If the application must be run with the SSL configuration options defined on the MQCONN or MQCONN call, use the MQDISC call to sever the connection to the queue manager and then terminate the application. Alternatively run the application later when the SSL environment has not been initialized.</p>
2392	X'0958'	<p>MQRC_SSL_CONFIG_ERROR</p> <p>On an MQCONN call, the MQCNO structure does not specify the MQSCO structure correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>SSLConfigOffset</i> is nonzero and <i>SSLConfigPtr</i> is not the null pointer. • <i>SSLConfigPtr</i> is not a valid pointer. • <i>SSLConfigOffset</i> or <i>SSLConfigPtr</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Ensure that one of <i>SSLConfigOffset</i> or <i>SSLConfigPtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>
2393	X'0959'	<p>MQRC_SSL_INITIALIZATION_ERROR</p> <p>An MQCONN or MQCONN call was issued with SSL configuration options specified, but an error occurred during the initialization of the SSL environment.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, Linux, Solaris, Windows.</p> <p>Corrective action: Check that the SSL installation is correct.</p>

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2394	X'095A'	<p>MQRC_Q_INDEX_TYPE_ERROR</p> <p>An MQGET call was issued specifying one or more of the following options: MQGMO_ALL_MSGS_AVAILABLE MQGMO_ALL_SEGMENTS_AVAILABLE MQGMO_COMPLETE_MSG MQGMO_LOGICAL_ORDER</p> <p>but the call failed because the queue is not indexed by group identifier. These options require the queue to have an <i>IndexType</i> of MQIT_GROUP_ID.</p> <p>This reason code occurs only on z/OS.</p> <p>Corrective action: Redefine the queue to have an <i>IndexType</i> of MQIT_GROUP_ID. Alternatively, modify the application to avoid using the options listed above.</p>
2396	X'095C'	<p>MQRC_SSL_NOT_ALLOWED</p> <p>A connection to a queue manager was requested, specifying SSL encryption. However, the connection mode requested is one that does not support SSL (for example, bindings connect).</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Modify the application to request client connection mode, or to disable SSL encryption.</p>
2397	X'095D'	<p>MQRC_JSSE_ERROR</p> <p>JSSE reported an error (for example, while connecting to a queue manager using SSL encryption). The MQException object containing this reason code references the Exception thrown by JSSE; this can be obtained by using the MQException.getCause() method. From JMS, the MQException is linked to the thrown JMSEException.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Inspect the causal exception to determine the JSSE error.</p>
2398	X'095E'	<p>MQRC_SSL_PEER_NAME_MISMATCH</p> <p>The application attempted to connect to the queue manager using SSL encryption, but the distinguished name presented by the queue manager does not match the specified pattern.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Check the certificates used to identify the queue manager. Also check the value of the sslPeerName property specified by the application.</p>
2399	X'095F'	<p>MQRC_SSL_PEER_NAME_ERROR</p> <p>The application specified a peer name of incorrect format.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Check the value of the sslPeerName property specified by the application.</p>
2400	X'0960'	<p>MQRC_UNSUPPORTED_CIPHER_SUITE</p> <p>A connection to a queue manager was requested, specifying SSL encryption. However, JSSE reported that it does not support the CipherSuite specified by the application.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Check the CipherSuite specified by the application. Note that the names of JSSE CipherSuites differ from their equivalent CipherSpecs used by the queue manager.</p> <p>Also, check that JSSE is correctly installed.</p>

Completion and reason codes

2401	X'0961'	<p>MQRC_SSL_CERTIFICATE_REVOKED</p> <p>A connection to a queue manager was requested, specifying SSL encryption. However, the certificate presented by the queue manager was found to be revoked by one of the specified CertStores.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Check the certificates used to identify the queue manager.</p>
2402	X'0962'	<p>MQRC_SSL_CERT_STORE_ERROR</p> <p>A connection to a queue manager was requested, specifying SSL encryption. However, none of the CertStore objects provided by the application could be searched for the certificate presented by the queue manager. The MQException object containing this reason code references the Exception encountered when searching the first CertStore; this can be obtained using the MQException.getCause() method. From JMS, the MQException is linked to the thrown JMSEException.</p> <p>This reason code occurs only with Java applications.</p> <p>Corrective action: Inspect the causal exception to determine the underlying error. Check the CertStore objects provided by your application. If the causal exception is a java.lang.NoSuchElementException, ensure that your application is not specifying an empty collection of CertStore objects.</p>
6100	X'17D4'	<p>MQRC_REOPEN_EXCL_INPUT_ERROR</p> <p>An open object does not have the correct ImqObject open options and requires one or more additional options. An implicit reopen is required but closure has been prevented.</p> <p>Closure has been prevented because the queue is open for exclusive input and closure might result in the queue being accessed by another process or thread, before the queue is reopened by the process or thread that presently has access.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: set the open options explicitly to cover all eventualities so that implicit reopening is not required.</p>
6101	X'17D5'	<p>MQRC_REOPEN_INQUIRE_ERROR</p> <p>An open object does not have the correct ImqObject open options and requires one or more additional options. An implicit reopen is required but closure has been prevented.</p> <p>Closure has been prevented because one or more characteristics of the object need to be checked dynamically prior to closure, and the open options do not already include MQOO_INQUIRE.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: set the open options explicitly to include MQOO_INQUIRE.</p>

Completion and reason codes

6102	X'17D6'	<p>MQRC_REOPEN_SAVED_CONTEXT_ERR</p> <p>An open object does not have the correct <code>ImqObject</code> open options and requires one or more additional options. An implicit reopen is required but closure has been prevented.</p> <p>Closure has been prevented because the queue is open with <code>MQOO_SAVE_ALL_CONTEXT</code>, and a destructive get has been performed previously. This has caused retained state information to be associated with the open queue and this information would be destroyed by closure.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: set the open options explicitly to cover all eventualities so that implicit reopening is not required.</p>
6103	X'17D7'	<p>MQRC_REOPEN_TEMPORARY_Q_ERROR</p> <p>An open object does not have the correct <code>ImqObject</code> open options and requires one or more additional options. An implicit reopen is required but closure has been prevented.</p> <p>Closure has been prevented because the queue is a local queue of the definition type <code>MQQDT_TEMPORARY_DYNAMIC</code>, that would be destroyed by closure.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: set the open options explicitly to cover all eventualities so that implicit reopening is not required.</p>
6104	X'17D8'	<p>MQRC_ATTRIBUTE_LOCKED</p> <p>An attempt has been made to change the value of an attribute of an object while that object is open, or, for an <code>ImqQueueManager</code> object, while that object is connected. Certain attributes cannot be changed in these circumstances. Close or disconnect the object (as appropriate) before changing the attribute value.</p> <p>An object may have been connected and/or opened unexpectedly and implicitly in order to perform an <code>MQINQ</code> call. Check the attribute cross-reference table in the <i>WebSphere MQ Using C++</i> book to determine whether any of your method invocations result in an <code>MQINQ</code> call.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: include <code>MQOO_INQUIRE</code> in the <code>ImqObject</code> open options and set them earlier.</p>
6105	X'17D9'	<p>MQRC_CURSOR_NOT_VALID</p> <p>The browse cursor for an open queue has been invalidated since it was last used by an implicit reopen.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: set the <code>ImqObject</code> open options explicitly to cover all eventualities so that implicit reopening is not required.</p>
6106	X'17DA'	<p>MQRC_ENCODING_ERROR</p> <p>The encoding of the (next) message item needs to be <code>MQENC_NATIVE</code> for pasting.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>

Completion and reason codes

6107	X'17DB'	<p>MQRC_STRUC_ID_ERROR</p> <p>The structure id for the (next) message item, which is derived from the 4 characters beginning at the data pointer, is either missing or is inconsistent with the class of object into which the item is being pasted.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6108	X'17DC'	<p>MQRC_NULL_POINTER</p> <p>A null pointer has been supplied where a nonnull pointer is either required or implied.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6109	X'17DD'	<p>MQRC_NO_CONNECTION_REFERENCE</p> <p>The connection reference is null. A connection to an ImqQueueManager object is required.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6110	X'17DE'	<p>MQRC_NO_BUFFER</p> <p>No buffer is available. For an ImqCache object, one cannot be allocated, denoting an internal inconsistency in the object state that should not occur.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6111	X'17DF'	<p>MQRC_BINARY_DATA_LENGTH_ERROR</p> <p>The length of the binary data is inconsistent with the length of the target attribute. Zero is a correct length for all attributes.</p> <ul style="list-style-type: none"> • The correct length for an accounting token is MQ_ACCOUNTING_TOKEN_LENGTH. • The correct length for an alternate security id is MQ_SECURITY_ID_LENGTH. • The correct length for a correlation id is MQ_CORREL_ID_LENGTH. • The correct length for a facility token is MQ_FACILITY_LENGTH. • The correct length for a group id is MQ_GROUP_ID_LENGTH. • The correct length for a message id is MQ_MSG_ID_LENGTH. • The correct length for an instance id is MQ_OBJECT_INSTANCE_ID_LENGTH. • The correct length for a transaction instance id is MQ_TRAN_INSTANCE_ID_LENGTH. • The correct length for a message token is MQ_MSG_TOKEN_LENGTH. <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6112	X'17E0'	<p>MQRC_BUFFER_NOT_AUTOMATIC</p> <p>A user-defined (and managed) buffer cannot be resized. A user-defined buffer can only be replaced or withdrawn. A buffer must be automatic (system-managed) before it can be resized.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6113	X'17E1'	<p>MQRC_INSUFFICIENT_BUFFER</p> <p>There is insufficient buffer space available after the data pointer to accommodate the request. This might be because the buffer cannot be resized.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6114	X'17E2'	<p>MQRC_INSUFFICIENT_DATA</p> <p>There is insufficient data after the data pointer to accommodate the request.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>

Completion and reason codes

6115	X'17E3'	<p>MQRC_DATA_TRUNCATED</p> <p>Data has been truncated when copying from one buffer to another. This might be because the target buffer cannot be resized, or because there is a problem addressing one or other buffer, or because a buffer is being downsized with a smaller replacement.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6116	X'17E4'	<p>MQRC_ZERO_LENGTH</p> <p>A zero length has been supplied where a positive length is either required or implied.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6117	X'17E5'	<p>MQRC_NEGATIVE_LENGTH</p> <p>A negative length has been supplied where a zero or positive length is required.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6118	X'17E6'	<p>MQRC_NEGATIVE_OFFSET</p> <p>A negative offset has been supplied where a zero or positive offset is required.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6119	X'17E7'	<p>MQRC_INCONSISTENT_FORMAT</p> <p>The format of the (next) message item is inconsistent with the class of object into which the item is being pasted.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6120	X'17E8'	<p>MQRC_INCONSISTENT_OBJECT_STATE</p> <p>There is an inconsistency between this object, which is open, and the referenced ImqQueueManager object, which is not connected.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6121	X'17E9'	<p>MQRC_CONTEXT_OBJECT_NOT_VALID</p> <p>The ImqPutMessageOptions context reference does not reference a valid ImqQueue object. The object has been previously destroyed.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6122	X'17EA'	<p>MQRC_CONTEXT_OPEN_ERROR</p> <p>The ImqPutMessageOptions context reference references an ImqQueue object that could not be opened to establish a context. This may be because the ImqQueue object has inappropriate open options. Inspect the referenced object reason code to establish the cause.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>
6123	X'17EB'	<p>MQRC_STRUC_LENGTH_ERROR</p> <p>The length of a data structure is inconsistent with its content. For an MQRMH, the length is insufficient to contain the fixed fields and all offset data.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p>

Completion and reason codes

6124	X'17EC'	<p>MQRC_NOT_CONNECTED</p> <p>A method failed because a required connection to a queue manager was not available, and a connection cannot be established implicitly because the IMQ_IMPL_CONN flag of the ImqQueueManager behavior class attribute is FALSE.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: establish a connection to a queue manager and retry.</p>
6125	X'17ED'	<p>MQRC_NOT_OPEN</p> <p>A method failed because a WebSphere MQ object was not open, and opening cannot be accomplished implicitly because the IMQ_IMPL_OPEN flag of the ImqObject behavior class attribute is FALSE.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: open the object and retry.</p>
6126	X'17EE'	<p>MQRC_DISTRIBUTION_LIST_EMPTY</p> <p>An ImqDistributionList failed to open because there are no ImqQueue objects referenced.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: establish at least one ImqQueue object in which the distribution list reference addresses the ImqDistributionList object, and retry.</p>
6127	X'17EF'	<p>MQRC_INCONSISTENT_OPEN_OPTIONS</p> <p>A method failed because the object is open, and the ImqObject open options are inconsistent with the required operation. The object cannot be reopened implicitly because the IMQ_IMPL_OPEN flag of the ImqObject behavior class attribute is false.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: open the object with appropriate ImqObject open options and retry.</p>
6128	X'17FO'	<p>MQRC_WRONG_VERSION</p> <p>A method failed because a version number specified or encountered is either incorrect or not supported.</p> <p>For the ImqCICSBridgeHeader class, the problem is with the version attribute.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: If you are specifying a version number, use one that is supported by the class. If you are receiving message data from another program, ensure that both programs are using consistent and supported version numbers.</p>
6129	X'17F1'	<p>MQRC_REFERENCE_ERROR</p> <p>An object reference is invalid.</p> <p>There is a problem with the address of a referenced object. At the time of use, the address of the object is nonnull, but is invalid and cannot be used for its intended purpose.</p> <p>This reason code occurs in the WebSphere MQ C++ environment.</p> <p>Corrective action: Check that the referenced object is neither deleted nor out of scope, or remove the reference by supplying a null address value.</p>

Chapter 9. Secure Socket Layer (SSL) Return Codes

This chapter documents SSL Return Codes.

0	The task completed successfully. Issued by every function call that completes successfully.
1	The environment or SSL handle is not valid. The specified handle was not the result of a successful open function call.
2	The dynamic link library unloaded. This code applies to Windows systems only.
3	An internal error occurred. Report this error to service.
4	Main memory is insufficient to perform the operation.
5	The handle is in an invalid state for operation, such as
6	Specified key label not found in keyfile.
7	Certificate not received from partner.
9	Error processing cryptography.
10	Error validating ASN fields in certificate.
11	Error connecting to LDAP server.
12	Internal unknown error. Report problem to service.
101	Internal unknown error. Report problem to service.
102	I/O error reading keyfile.
103	Keyfile has an invalid internal format. Re-create keyfile.
104	Keyfile has two entries with the same key. Use iKeyman to remove the duplicate key.
105	Keyfile has two entries with the same label. Use iKeyman to remove the duplicate label.
106	The keyfile password is used as an integrity check. Either the keyfile has become corrupted or the password ID is incorrect.
107	The default key in the keyfile has an expired certificate. Use iKeyman to remove certificates that are expired.
109	Indicates that a connection is trying to be made in a gsk environment after the gsk_environment_close() function has been called.
201	Neither the password nor the stash-file name was specified, so the key file could not be initialized.
202	Unable to open the key file or the Microsoft Certificate Store. Either the path was specified incorrectly or the file permissions did not allow the file to be opened, or the file format is incorrect.
203	Unable to generate a temporary key pair. Report this error to service.
204	A User Name object was specified that is not found
205	A Password used for an LDAP query is not correct
206	An index into the Fail Over list of LDAP servers was not correct
301	Indicates that the GSK environment close request was not properly handled. Cause is most likely due to a gsk_secure_socket*() command being attempted after a gsk_close_environment() call.
401	The system date was set to an invalid value.

402	Neither SSLV2 nor SSLV3 is enabled.
403	The required certificate was not received from partner.
404	The received certificate was formatted incorrectly.
405	The received certificate type was not supported.
407	The specified label in the key file could not be found. The key file may also be corrupt.
409	In a restricted cryptography environment, the key size is too long to be supported.
410	An incorrectly formatted SSL message was received from the partner.
411	The message authentication code (MAC) was not successfully verified.
412	Unsupported SSL protocol or unsupported certificate type.
413	The received certificate contained an incorrect signature.
414	Incorrectly formatted certificate received from partner.
415	Invalid SSL protocol received from partner.
416	Internal error. Report problem to service.
417	The self-signed certificate is not valid.
420	The partner closed the socket before the protocol completed.
421	The specified V2 cipher is not valid.
422	The specified V3 cipher is not valid.
423	Internal error. Report problem to service.
424	Internal error. Report problem to service.
425	The handle could not be created. Report this internal error to service.
426	Initialization failed. Report this internal error to service.
427	When validating a certificate, unable to access the specified LDAP directory.
429	A failed attempt was made to load the specified PKCS11 shared library.
430	The PKCS #11 driver failed to find the token specified by the caller.
431	A PKCS #11 token is not present in the slot.
432	The password/ pin to access the PKCS #11 token is invalid.
433	The SSL header received was not a properly SSLV2 formatted header.
434	Unable to access the hardware-based cryptographic service provider (CSP). Either the given CSP name is not registered in the system or the specified CSP name is registered but the certificate store failed to open.
435	Attribute setting conflict between PKCS11, CMS key database, and Microsoft Crypto API.
436	The requested function is not supported on the platform that the application is running. For example, the Microsoft Crypto API is not supported on platforms other than Windows 2000.
501	The buffer size is negative or zero.
502	Used with non-blocking I/O. Refer to the non-blocking section for usage.
601	SSLV3 is required for reset_cipher, and the connection uses SSLV2
602	An invalid ID was specified for the
701	The function call has an invalid ID. This may also be caused by specifying an environment handle when a handle for a SSL connection should be used.
702	The attribute has a negative length, which is invalid.

703	The enumeration value is invalid for the specified enumeration type.
704	Invalid parameter list for replacing the SID cache routines.
705	When setting a numeric attribute, the specified value is invalid for the specific attribute being set.
706	Conflicting parameters have been set for additional certificate validation.
707	The cipher spec included an AES cipher spec that is not supported on the system of execution.
1601	The trace started successfully.
1602	The trace stopped successfully.
1603	No trace file was previously started so it can't be stopped.
1604	Trace file already started so it can't be started again.
1605	Trace file can not be opened. The first parameter of <code>gsk_start_trace()</code> must be a valid fullpath file name.

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GC34-6057-01

