

- A running command server
- A running listener
- A server connection channel

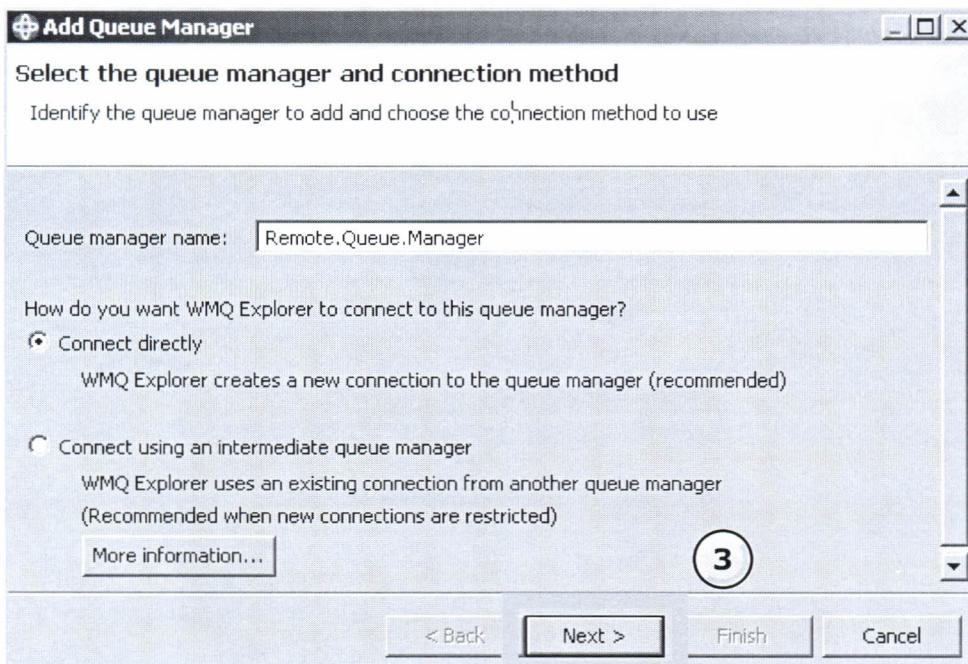
2032.0

ers.

en

008

Add remote queue manager (2 of 3)



© Copyright IBM Corporation 2008

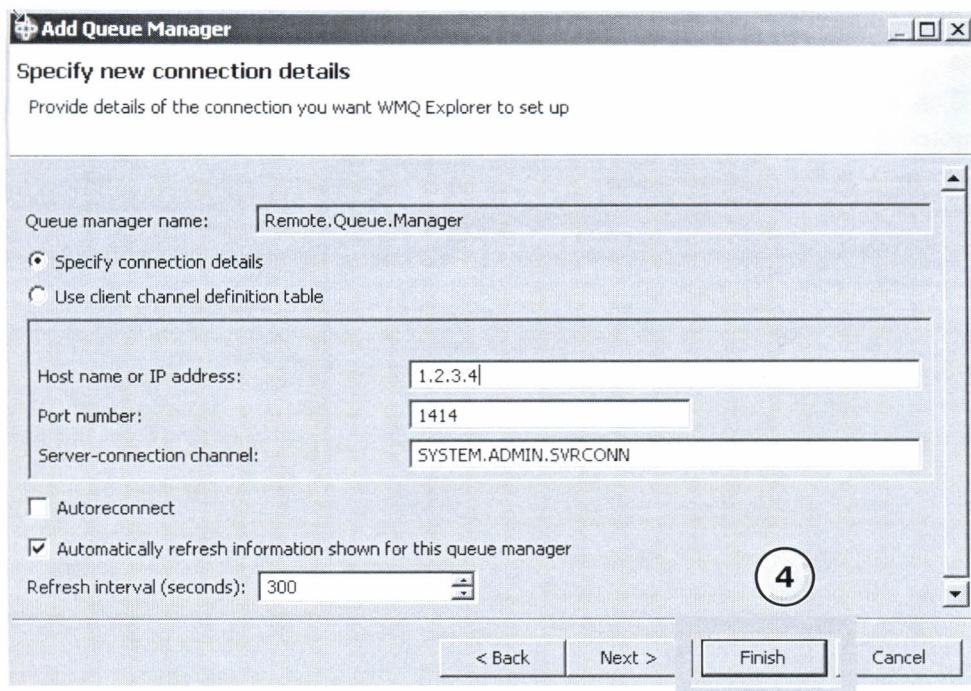
Figure 4-33. Add remote queue manager (2 of 3)

WM203 / VM2032.0

Notes:

Enter the Queue manager name, and click Next.

Add remote queue manager (3 of 3)



© Copyright IBM Corporation 2008

Figure 4-34. Add remote queue manager (3 of 3)

WM203 / VM2032.0

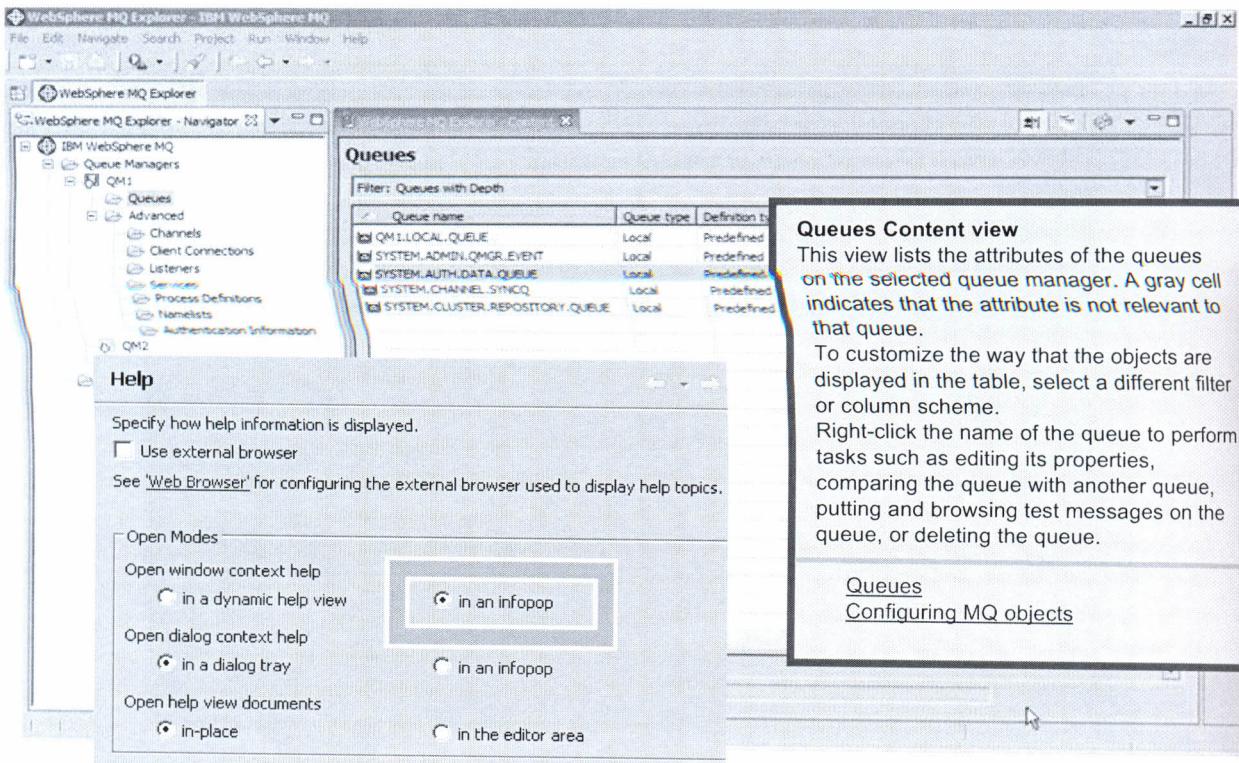
Notes:

Enter host name or IP address, port number, and server-connection channel, and click Finish.

To be remotely administered, the queue manager must be running and must have the following objects:

- A running command server
- A running listener
- A server connection channel

Hover help



© Copyright IBM Corporation 2008

Figure 4-35. Hover help

WM203 / VM2032.0

Notes:

Help hover can be instituted by depressing F1 on your keyboard while having the cursor over the field in question.

Queue manager administration topic summary

Having completed this topic, you should be able to:

- Create a new queue manager
- Administer a remote queue manager

© Copyright IBM Corporation 2008

Figure 4-36. Queue manager administration topic summary

WM203 / VM2032.0

Notes:

New features in V7

- Explorer changes – Publish/subscribe related
- Explorer changes – General usability changes
 - Welcome page
 - Queue manager grouping (sets)
 - Security configuration
 - Tighter JMS integration

© Copyright IBM Corporation 2008

Figure 4-38. New features in V7

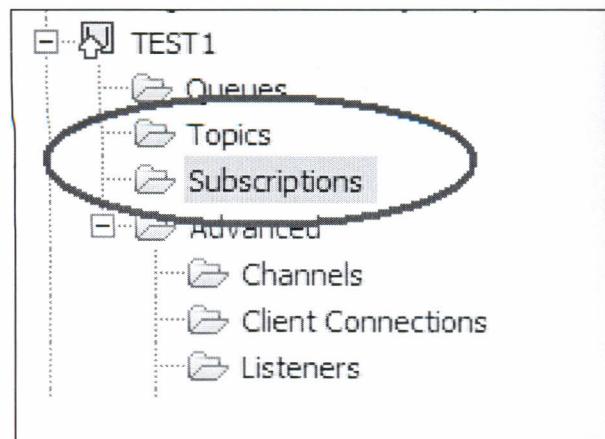
WM203 / VM2032.0

Notes:

V7 supports all the features of V6 in addition to supporting a range of new features.

Publish/subscribe administration

- New queue manager properties
- Topic objects
- Topic status
- Subscription administration
- Queue alias properties
- Test publish and subscribe
- Browse message properties



© Copyright IBM Corporation 2008

Figure 4-39. Publish/subscribe administration

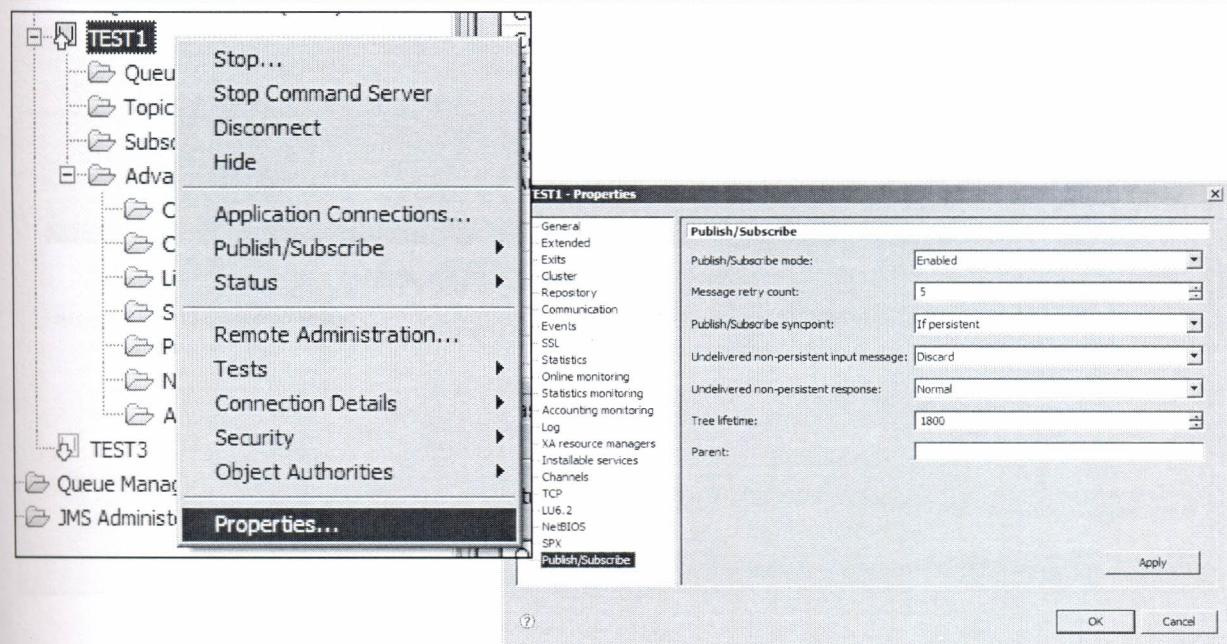
WM203 / VM2032.0

Notes:

Most of the changes to the WebSphere MQ Explorer in terms of WebSphere MQ attributes are related to publish/subscribe administration. There are various new commands and objects related to this feature. You look at these GUI changes first.

When opening the GUI on a WebSphere MQ V7 queue manager is that there are two new folders, one called **Topics** and one called **Subscriptions**

New queue manager properties



© Copyright IBM Corporation 2008

Figure 4-40. New queue manager properties

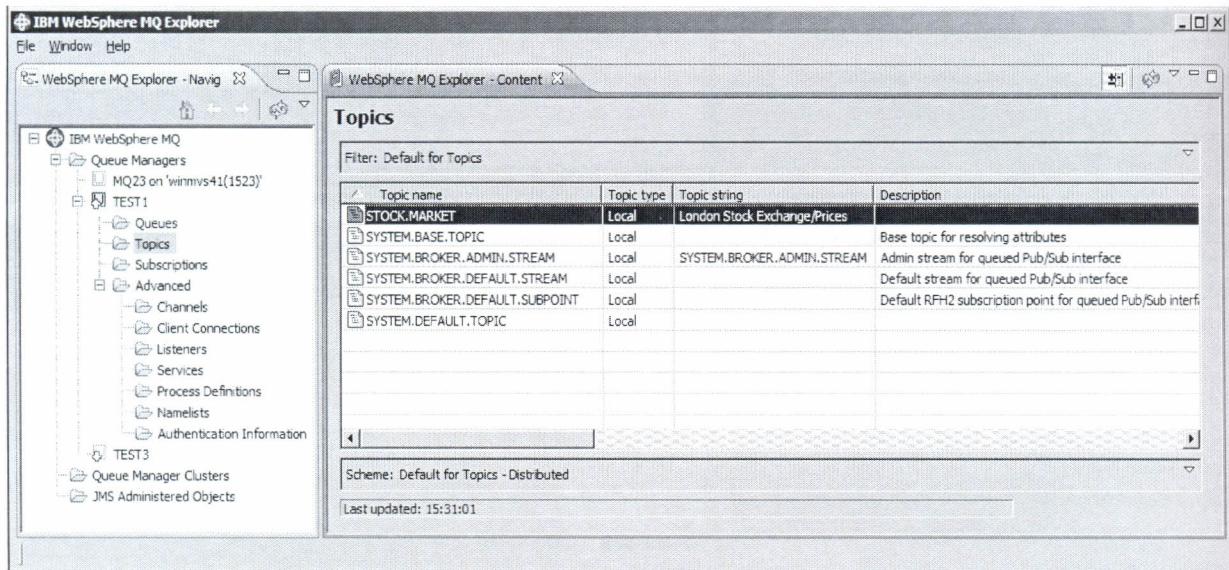
WM203 / VM2032.0

Notes:

There are various new queue manager properties. The properties related to publish/subscribe are shown here. There are one or two other new queue manager properties which are summarized later. These properties are found in the normal way by selecting the pop-up menu from the queue manager in question and selecting the Properties menu item.

attributes
and
two new

Topic objects (1 of 2)



© Copyright IBM Corporation 2008

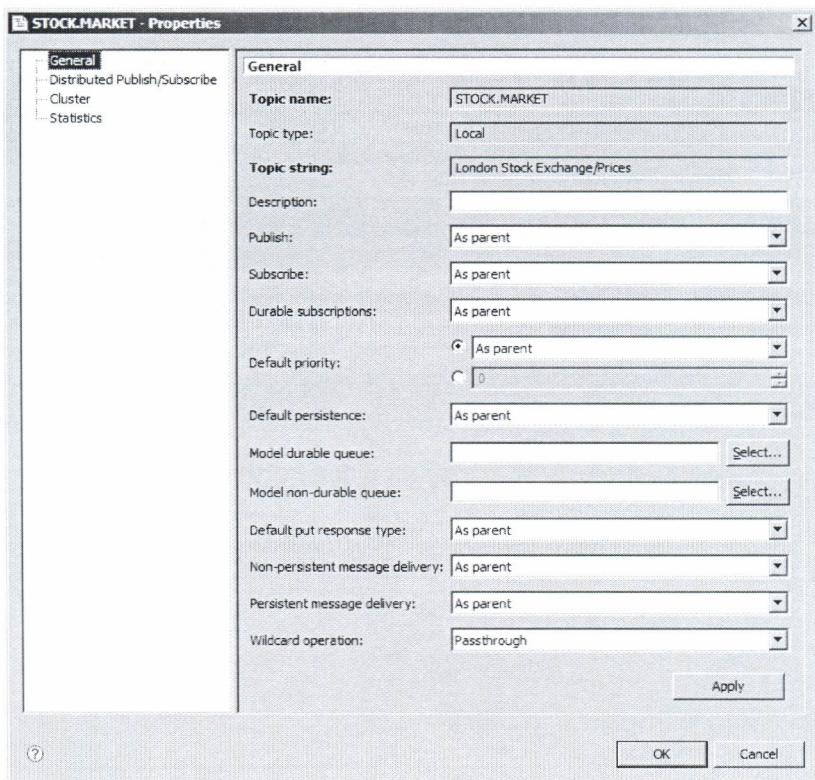
Figure 4-41. Topic objects (1 of 2)

WM203 / VM2032.0

Notes:

Topics (either topic objects or topic strings) are the main anchoring administrative concept for publish/subscribe in WebSphere MQ V7

Topic objects (2 of 2)



© Copyright IBM Corporation 2008

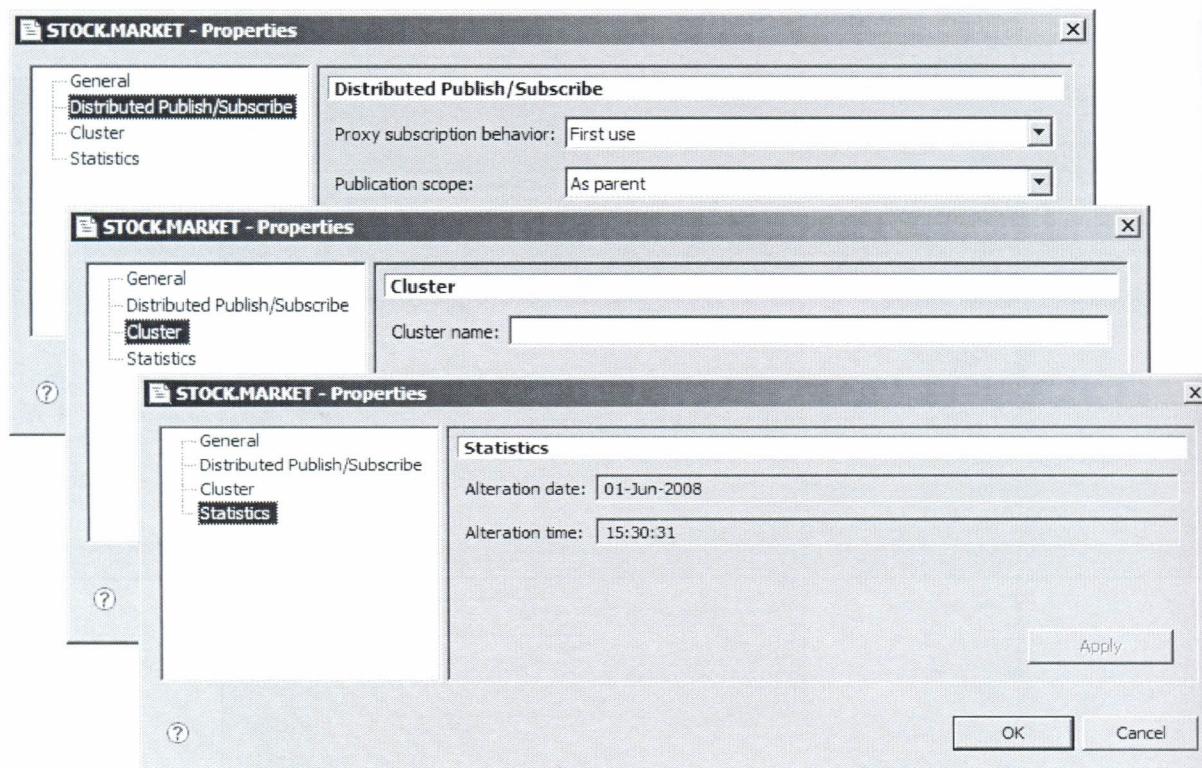
Figure 4-42. Topic objects (2 of 2)

WM203 / VM203.0

Notes:

Topics (either topic objects or topic strings) are the main anchoring administrative concept for publish/subscribe in WebSphere MQ V7

Topic objects – other panes



© Copyright IBM Corporation 2008

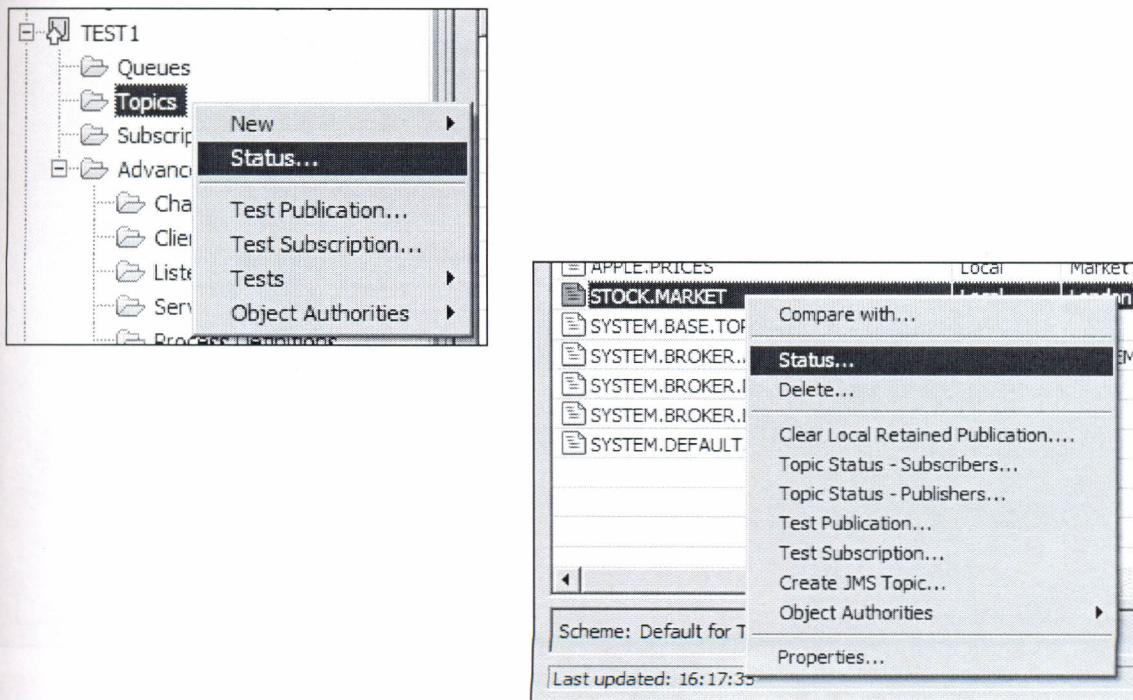
Figure 4-43. Topic objects – other panes

WM203 / VM2032.0

Notes:

This figure is a continuation of the definition of the main parameters required to define the topic.

Topic status (1 of 2)



© Copyright IBM Corporation 2008

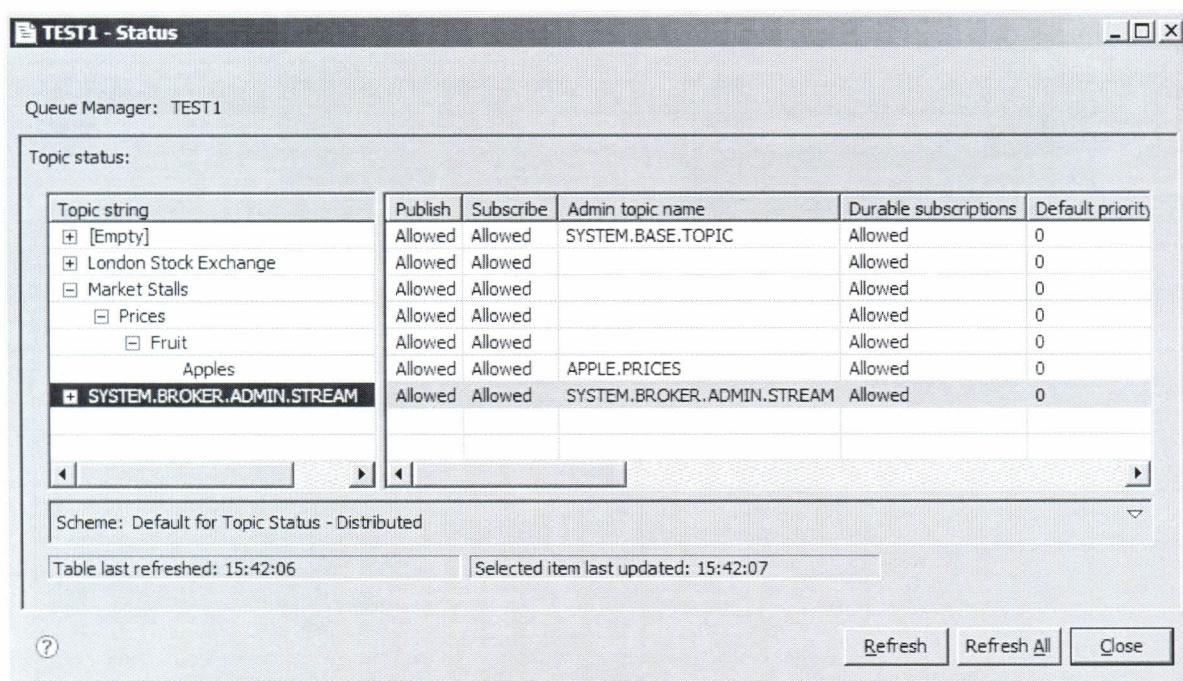
Figure 4-44. Topic status (1 of 2)

WM203 / VM2032.0

Notes:

Here you can look at the topic object, by selecting the folder from the main navigation pane. This window shows a familiar list of objects and the pop-up menu on an object allows you to see the Properties of this object – as with all other objects. You show all the property panels here.

Topic status (2 of 2)



© Copyright IBM Corporation 2008

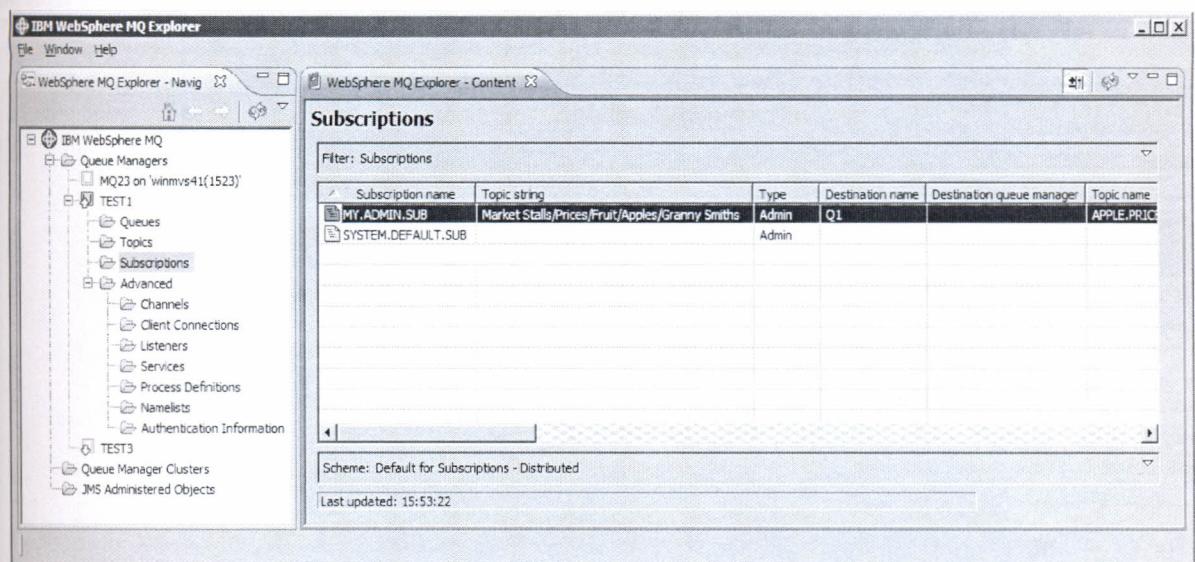
Figure 4-45. Topic status (2 of 2)

WM203 / VM2032.0

Notes:

You can look at the topic object, by selecting its folder from the main navigation pane. This view shows a familiar list of objects and the pop-up menu on an object allows you to see the Properties of this object – as with all other objects. You show all the property panels here.

Subscription administration



© Copyright IBM Corporation 2008

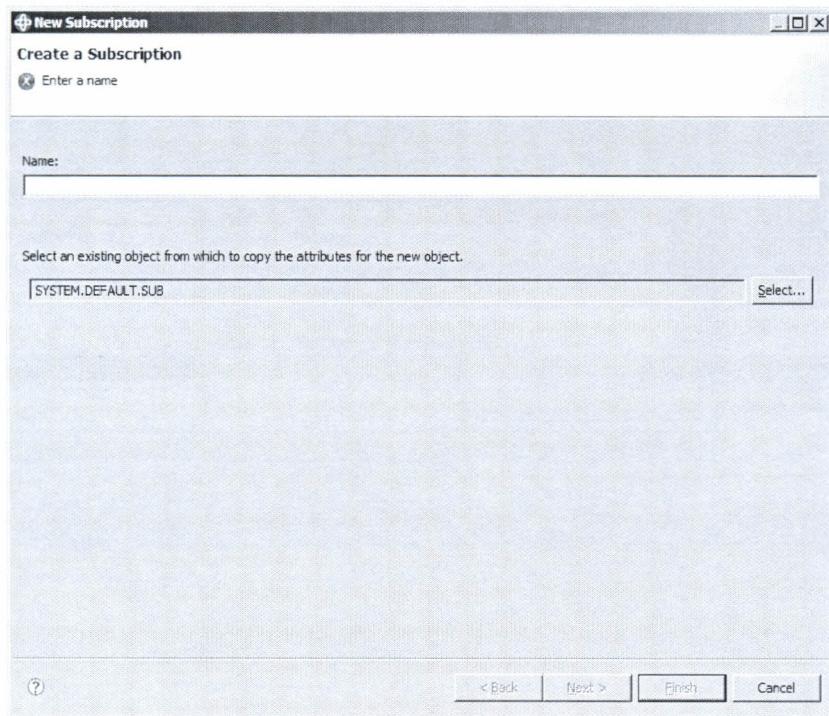
Figure 4-46. Subscription administration

WM203 / VM2032.0

Notes:

ane. This
to see
panels

Create a subscription



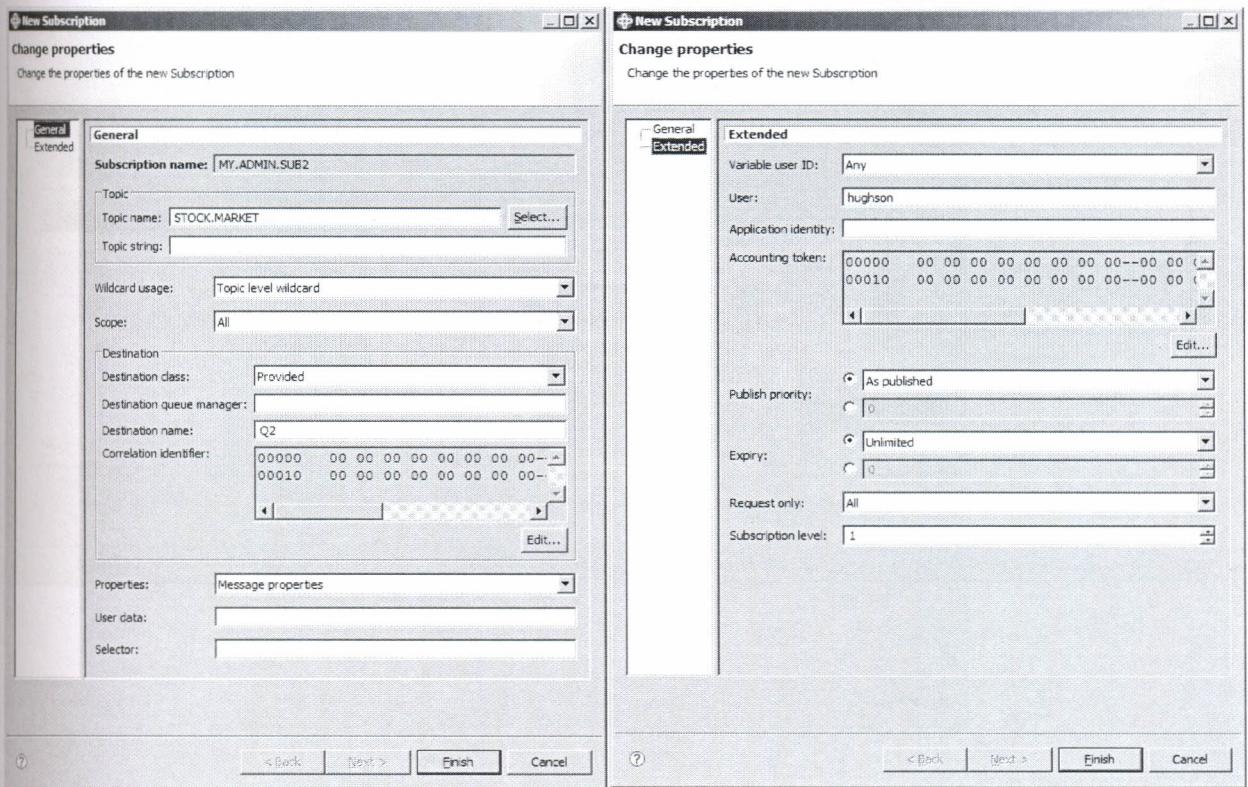
© Copyright IBM Corporation 2008

Figure 4-47. Create a subscription

WM203 / VM2032.0

Notes:

Subscription administration – attribute panels



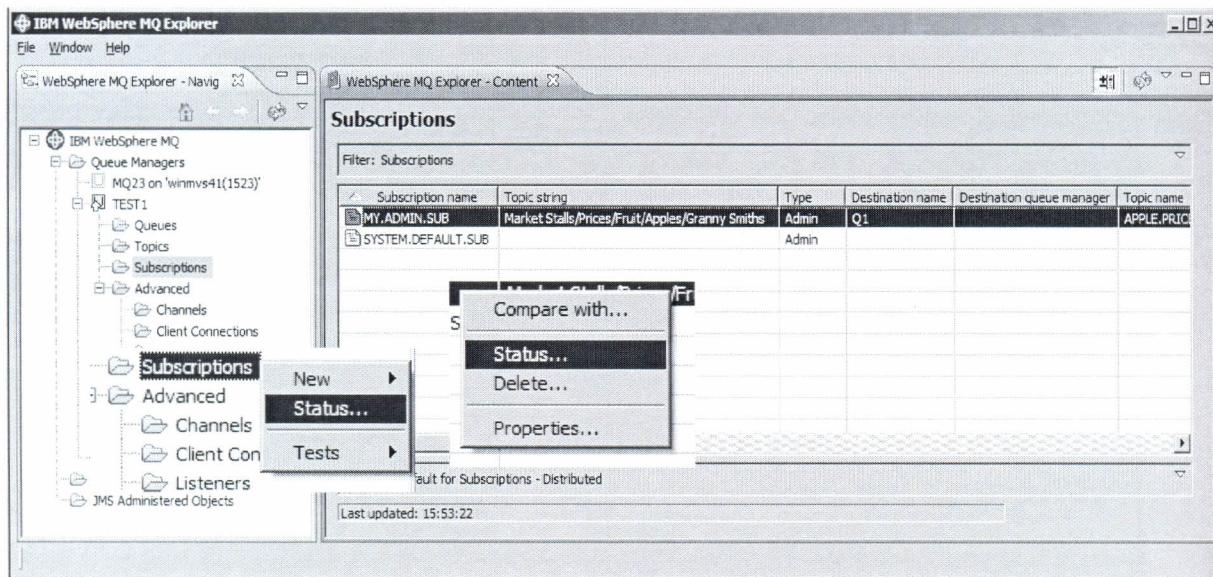
© Copyright IBM Corporation 2008

Figure 4-48. Subscription administration – attribute panels

WM203 / VM2032.0

Notes:

Subscription status (1 of 3)



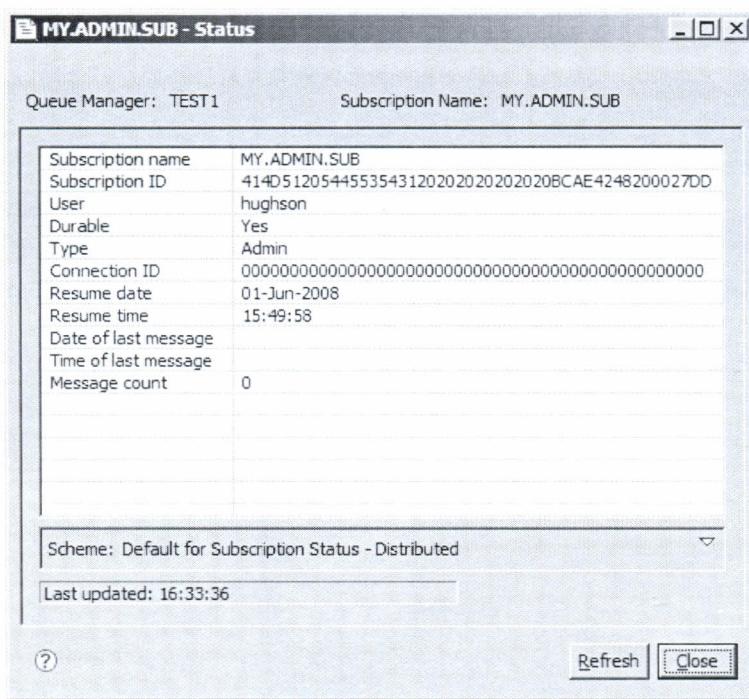
© Copyright IBM Corporation 2008

Figure 4-49. Subscription status (1 of 3)

WM203 / VM2032.0

Notes:

Subscription status (2 of 3)



© Copyright IBM Corporation 2008

Figure 4-50. Subscription status (2 of 3)

WM203 / VM2032.0

Notes:

Subscription status (3 of 3)

TEST1 - Status

Queue Manager: TEST1

Filter: Default for Subscription Status

Subscription name	Subscription ID	User	Durable	Type	Connection ID	Resume date	Resume time	Date of last message	Time of last message	Message count
MY.ADMIN.SUB	414D512054455...	hughson	Yes	Admin	00000000000000...	01-Jun-2008	15:49:58			0
SYSTEM.DEFAULT.SUB	414D512054455...	hughson	Yes	Admin	00000000000000...					0
TEST1 SYSTEM.BROKER.INT...	414D512054455...	mqm	Yes	API	00000000000000...					0

Scheme: Default for Subscription Status - Distributed

Last updated: 16:02:22

Refresh | Close

© Copyright IBM Corporation 2008

Figure 4-51. Subscription status (3 of 3)

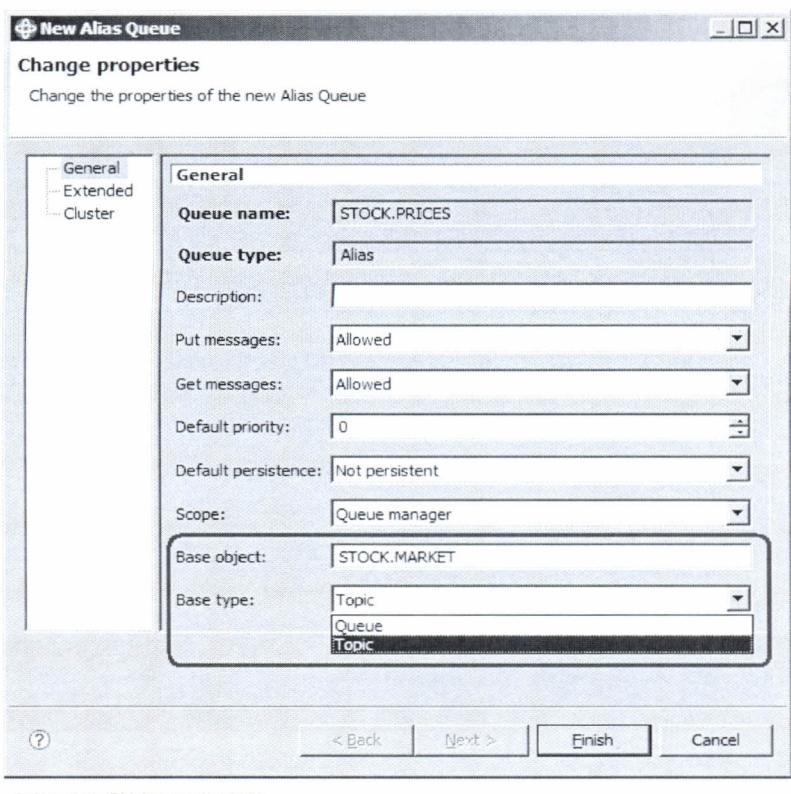
WM203 / VM2032.0

Notes:

New queue alias properties

- Base type
 - Queue
 - Topic

- Base object
 - Replaces base queue
 - Contains name of target queue or topic - depending on how the base type is configured



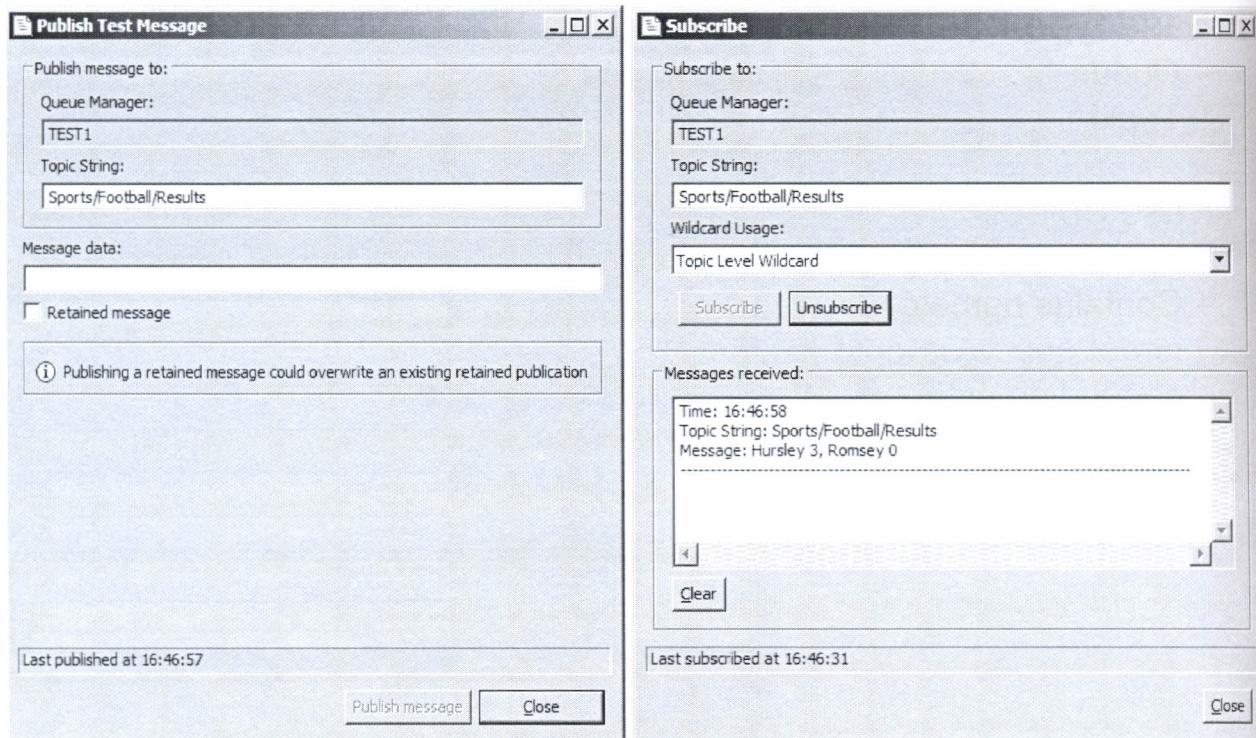
© Copyright IBM Corporation 2008

Figure 4-52. New queue alias properties

WM203 / VM2032.0

Notes:

Test publish and test subscribe



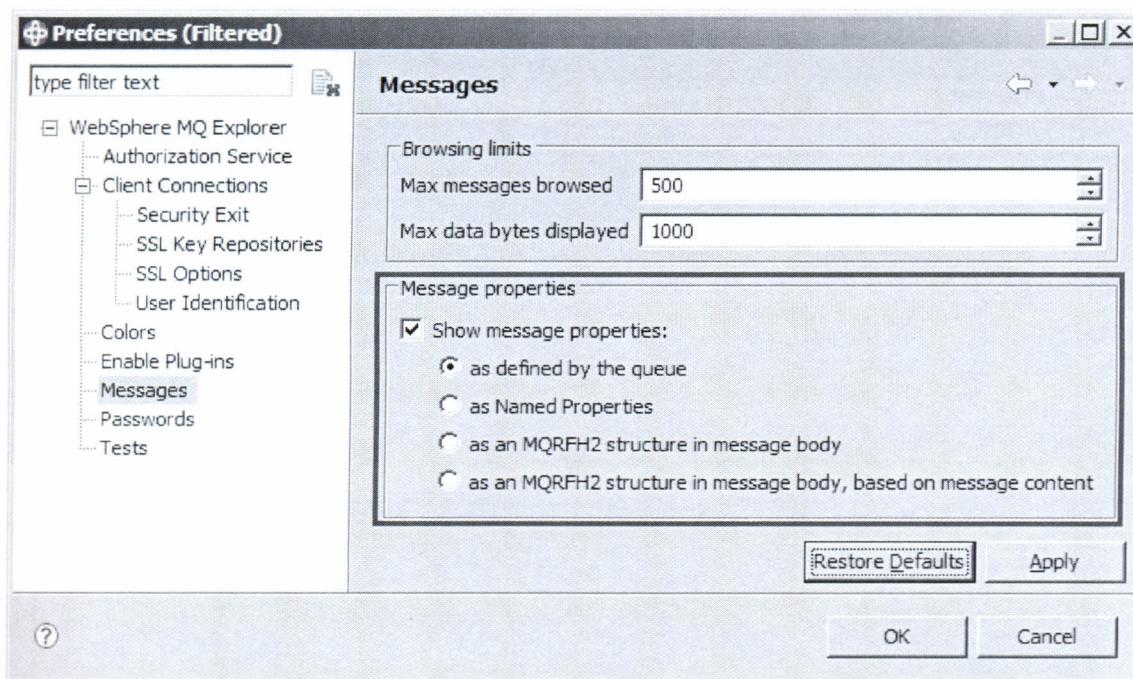
© Copyright IBM Corporation 2008

Figure 4-53. Test publish and test subscribe

WM203 / VM2032.0

Notes:

Browsing message properties (1 of 3)



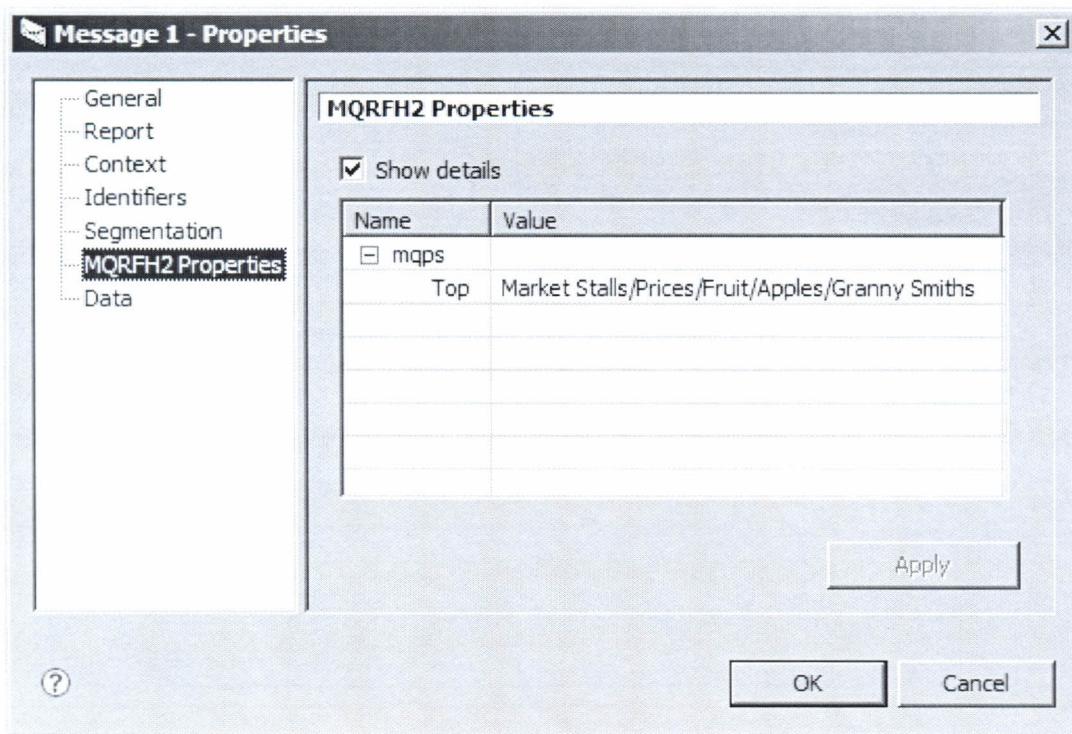
© Copyright IBM Corporation 2008

Figure 4-54. Browsing message properties (1 of 3)

WM203 / VM2032.0

Notes:

Browsing message properties (2 of 3)



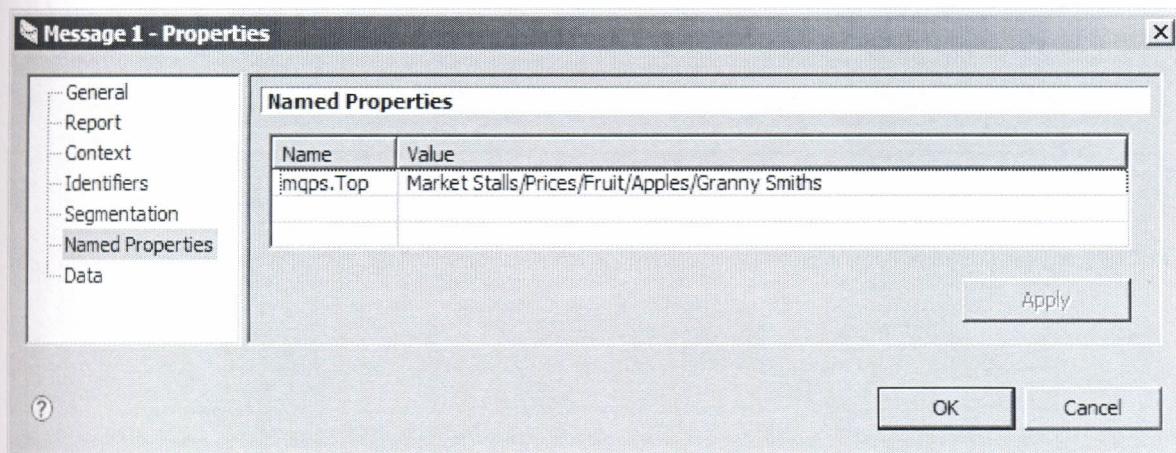
© Copyright IBM Corporation 2008

Figure 4-55. Browsing message properties (2 of 3)

WM203 / VM2032.0

Notes:

Browsing message properties (3 of 3)



© Copyright IBM Corporation 2008

Figure 4-56. Browsing message properties (3 of 3)

WM203 / VM2032.0

Notes:

Grouping of queue managers

- WebSphere MQ Explorer now supports the grouping of queue managers.
- Group of objects is called a set.
- Actions can be performed on a set of queue managers:
 - Show/Hide All
 - Connect/Disconnect All
 - Start/Stop All Local
 - Run Default/Custom Tests
- Grouping can be done
 - Manually
 - Automatically, by filtering on:
 - Command level
 - Platform
 - Any other queue manager attribute
- Queue managers can be members of none, one or many sets
- Sets cannot contain other sets.

© Copyright IBM Corporation 2008

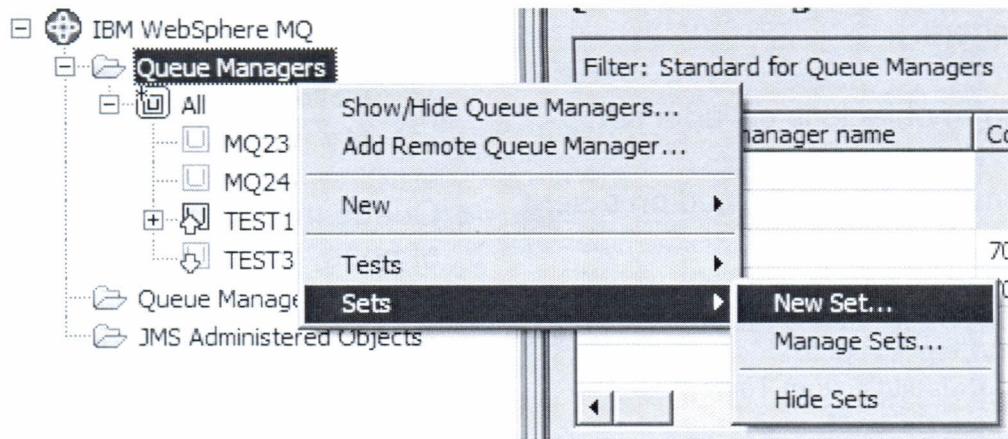
Figure 4-62. Grouping of queue managers

WM203 / VM2032.0

Notes:

You can group Queue Managers into sets of WebSphere MQ applications services for use in service-oriented architectures.

Grouping of queue managers – Sets (1 of 3)



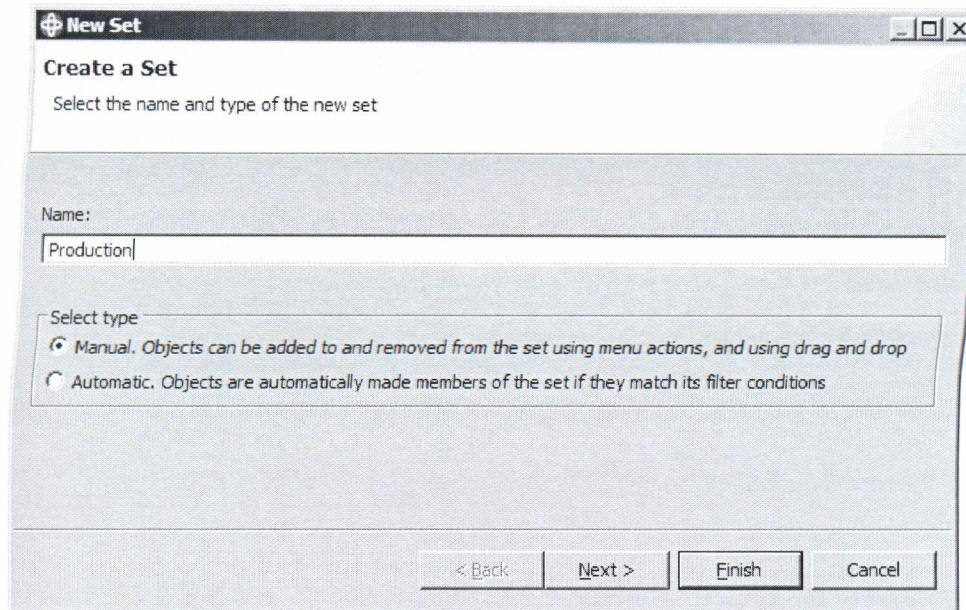
© Copyright IBM Corporation 2008

Figure 4-63. Grouping of queue managers – Sets (1 of 3)

WM203 / VM2032.0

Notes:

Grouping of queue managers – Sets (2 of 3)



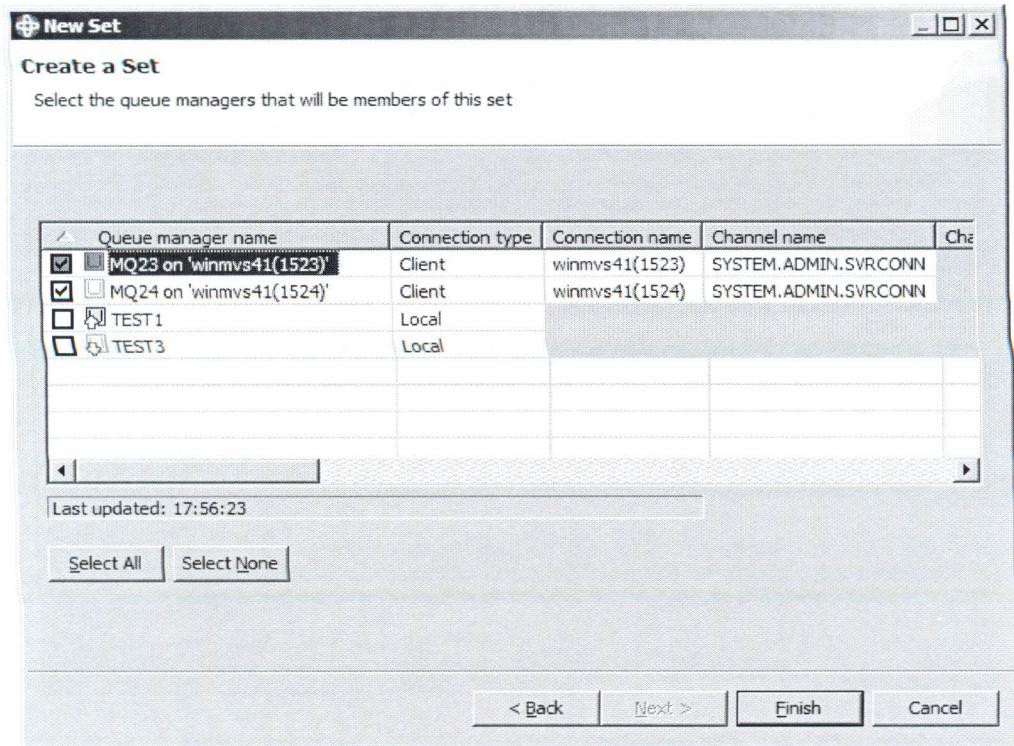
© Copyright IBM Corporation 2008

Figure 4-64. Grouping of queue managers – Sets (2 of 3)

WM203 / VM2032.0

Notes:

Grouping of queue managers – Sets (3 of 3)



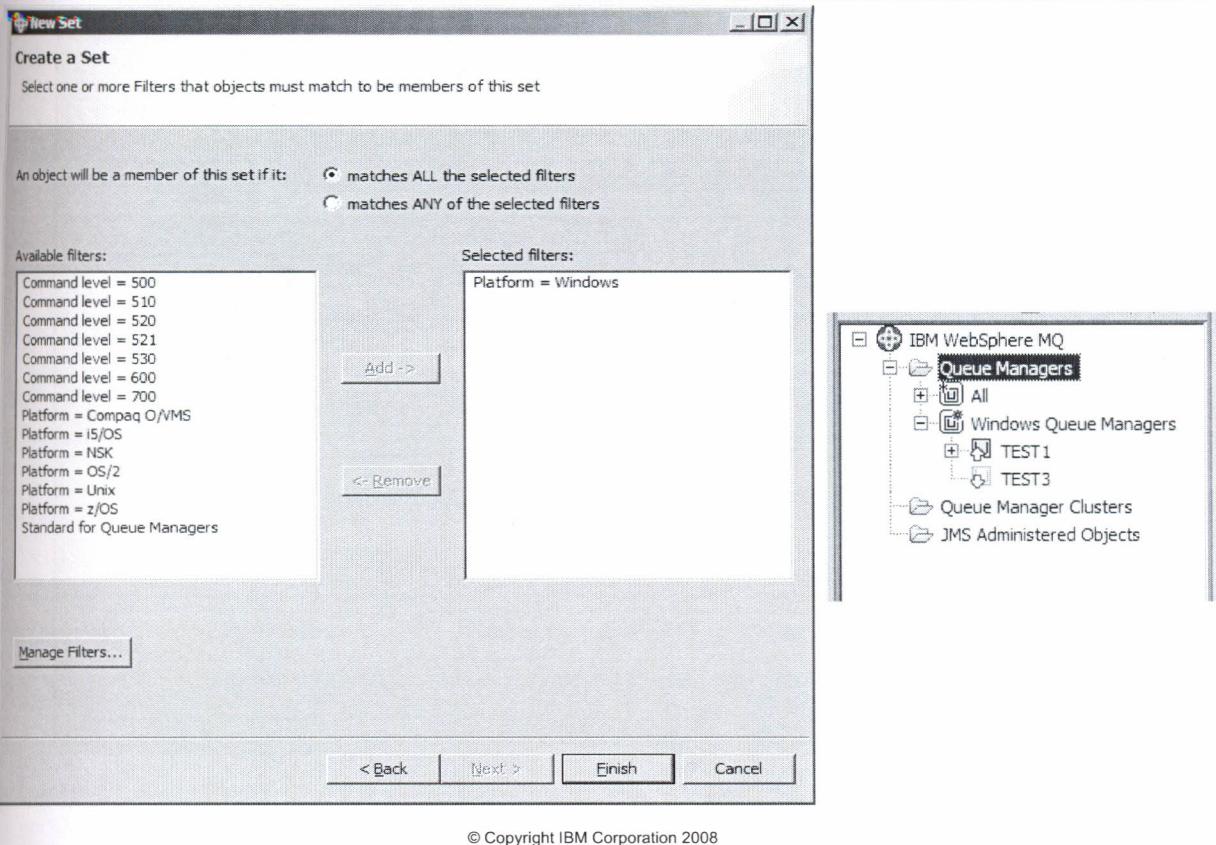
© Copyright IBM Corporation 2008

Figure 4-65. Grouping of queue managers – Sets (3 of 3)

WM203 / VM2032.0

Notes:

Grouping of queue managers - Filtering



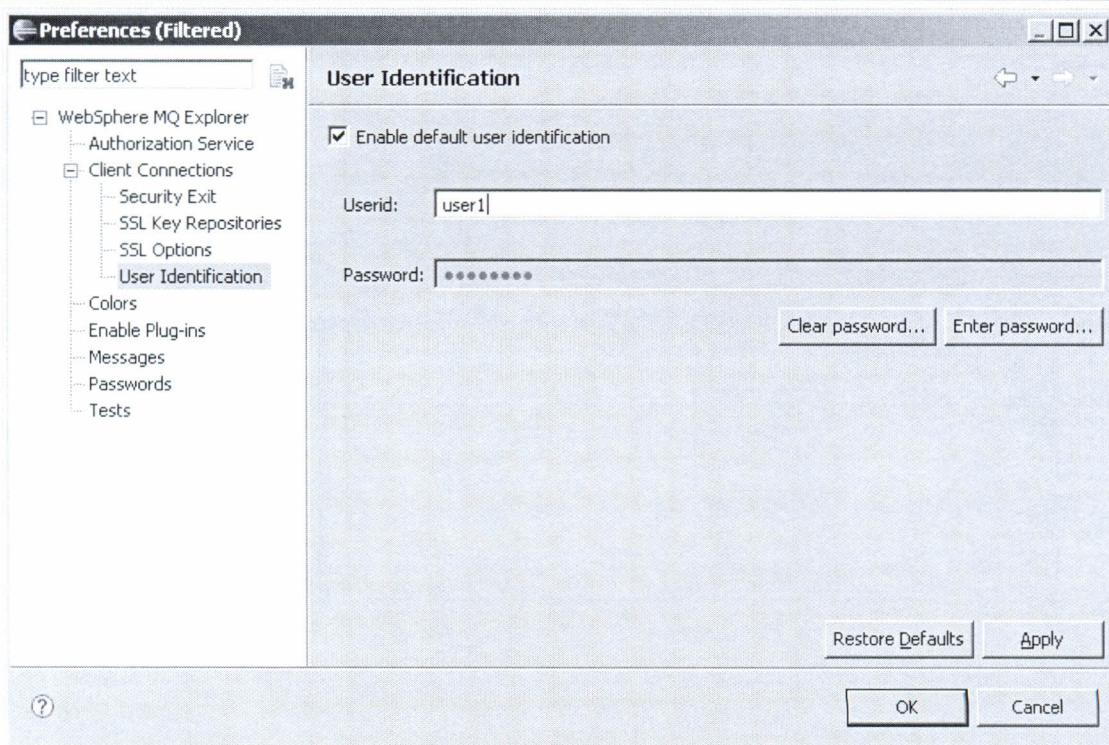
© Copyright IBM Corporation 2008

Figure 4-66. Grouping of queue managers - Filtering

WM203 / VM2032.0

Notes:

Security configuration (1 of 2)



© Copyright IBM Corporation 2008

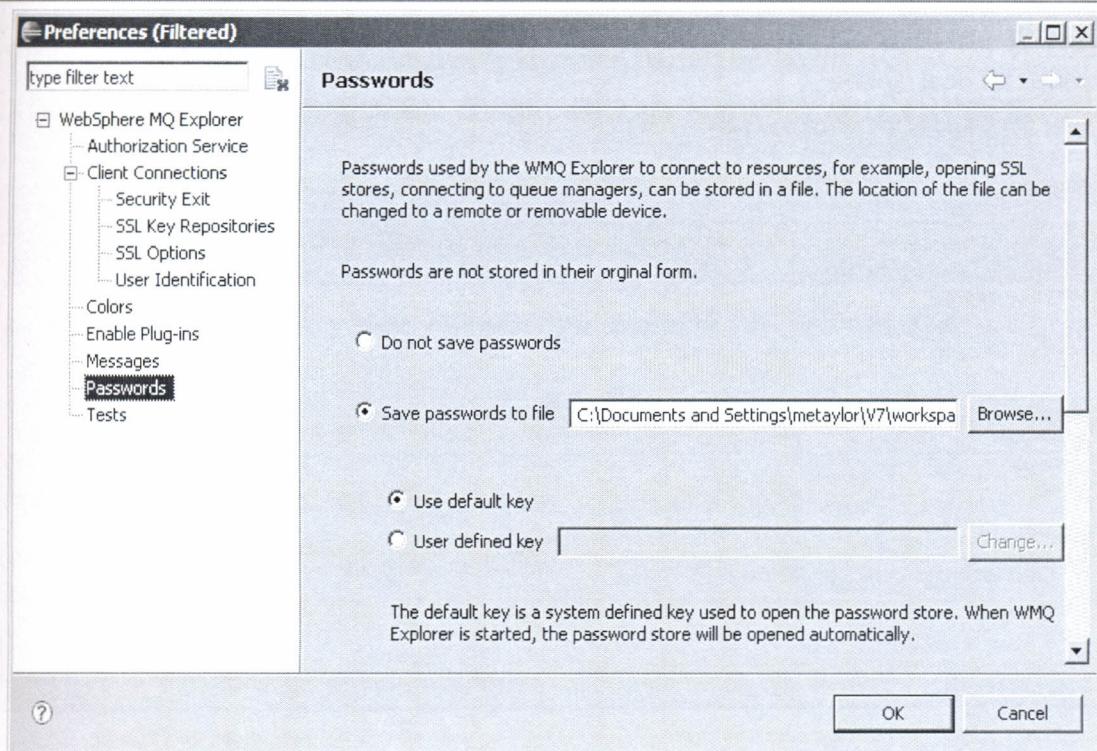
Figure 4-67. Security configuration (1 of 2)

WM203 / VM2032.0

Notes:

The security controls allow configuration of not just a user ID and password, but SSL and channel exit parameters. These controls can be defined globally or for each queue manager. A password manager component stores information securely, so that you do not need to re-enter passwords on each restart of the WebSphere MQ Explorer.

Security configuration (2 of 2)



© Copyright IBM Corporation 2008

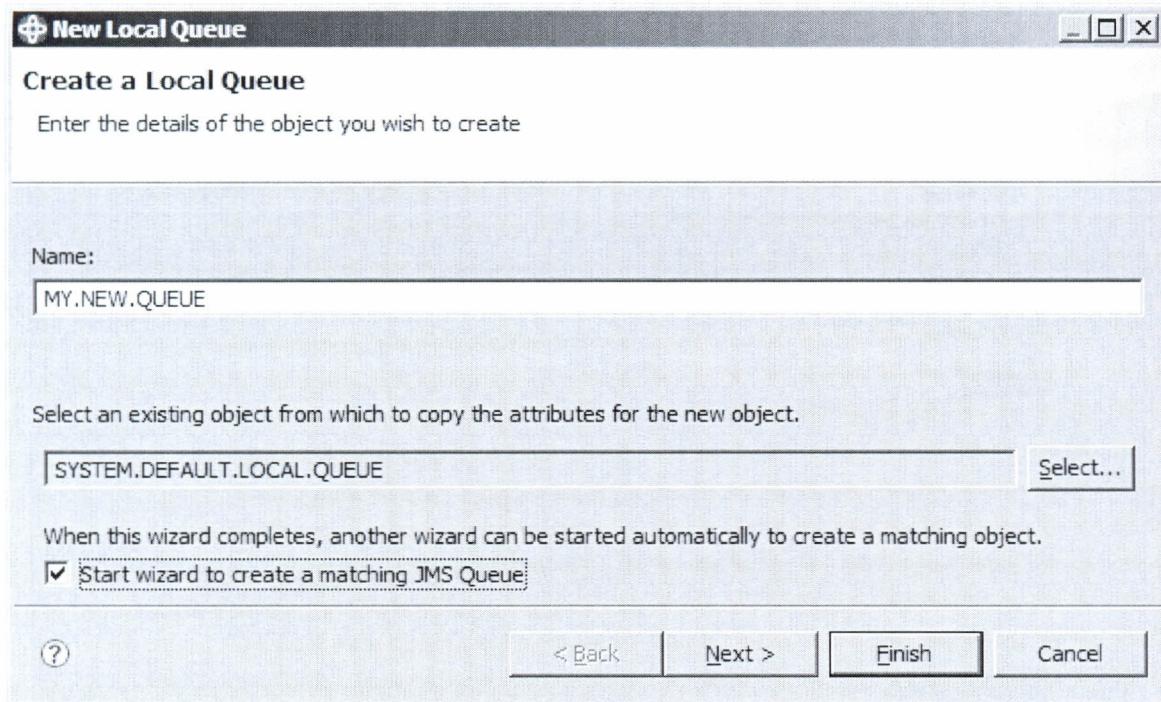
Figure 4-68. Security configuration (2 of 2)

WM203 / VM2032.0

Notes:

and
not

Tighter JMS integration



© Copyright IBM Corporation 2008

Figure 4-69. Tighter JMS integration

WM203 / VM2032.0

Notes:

When a queue or topic is created, the wizard can optionally also drive the corresponding JMS administered object operation – adding the details into your chosen JNDI context. This wizard assists with integration of JMS configuration objects with the WebSphere MQ configuration

Checkpoint questions

1. Displaying the status of a selected queue shows which of these?
 - a. Current queue depth
 - b. Name of the applications currently using the queue
 - c. The time of the last PUT operation on the queue
 - d. Whether messages are persistent
 - e. User ID the process using the queue is running under
2. What three objects must be defined to be able to administer a remote queue manager?
3. True or false: Queue managers can be grouped into sets and the Explorer allows actions to be performed on all the queue managers defined to the set.

© Copyright IBM Corporation 2008

Figure 4-71. Checkpoint questions

WM203 / VM2032.0

Notes:

Unit summary

Having completed this unit, you should be able to:

- Use the MQ Explorer utility
- Demonstrate how to navigate between queue managers and their objects

© Copyright IBM Corporation 2008

Figure 4-72. Unit summary

WM203 / VM2032.0

Notes: