

Oracle FLEXCUBE Direct Banking

Websphere MQ6

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ORACLE®

Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

www.oracle.com/financialservices/

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Preface

1.1 Intended Audience

This document is primarily targeted at

- Oracle FLEXCUBE Direct Banking Development Teams
- Oracle FLEXCUBE Direct Banking Implementation Teams
- Oracle FLEXCUBE Direct Banking Implementation Partners

1.2 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

1.3 Access to OFSS Support

<https://support.us.oracle.com>

1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual

Integrating WebSphere MQ 6 explains about creation and mangment of MQ

1.5 Related Information Sources

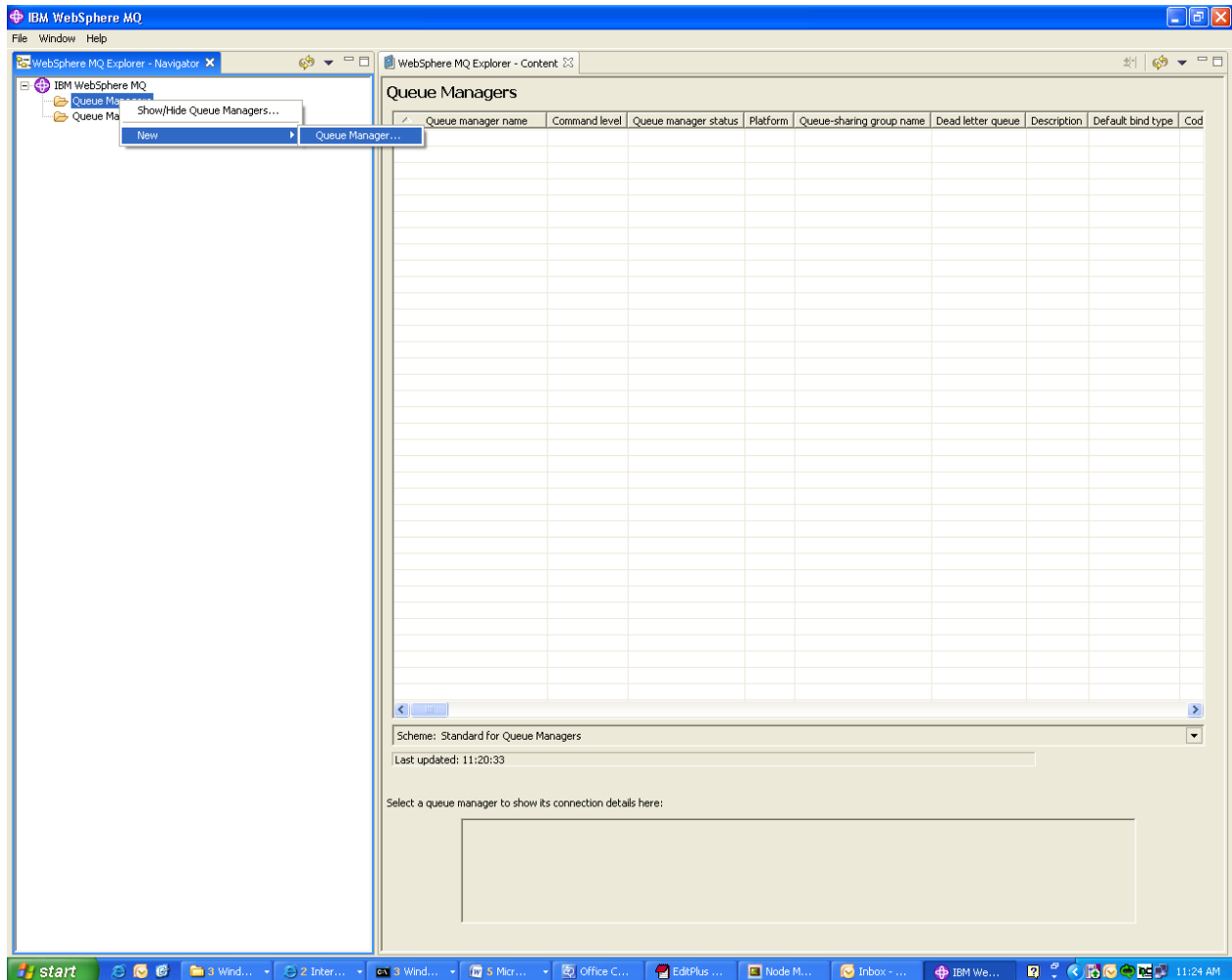
For more information on Oracle FLEXCUBE Direct Banking Release 12.0.3.0.0, refer to the following documents:

Oracle FLEXCUBE Direct Banking Licensing Guide

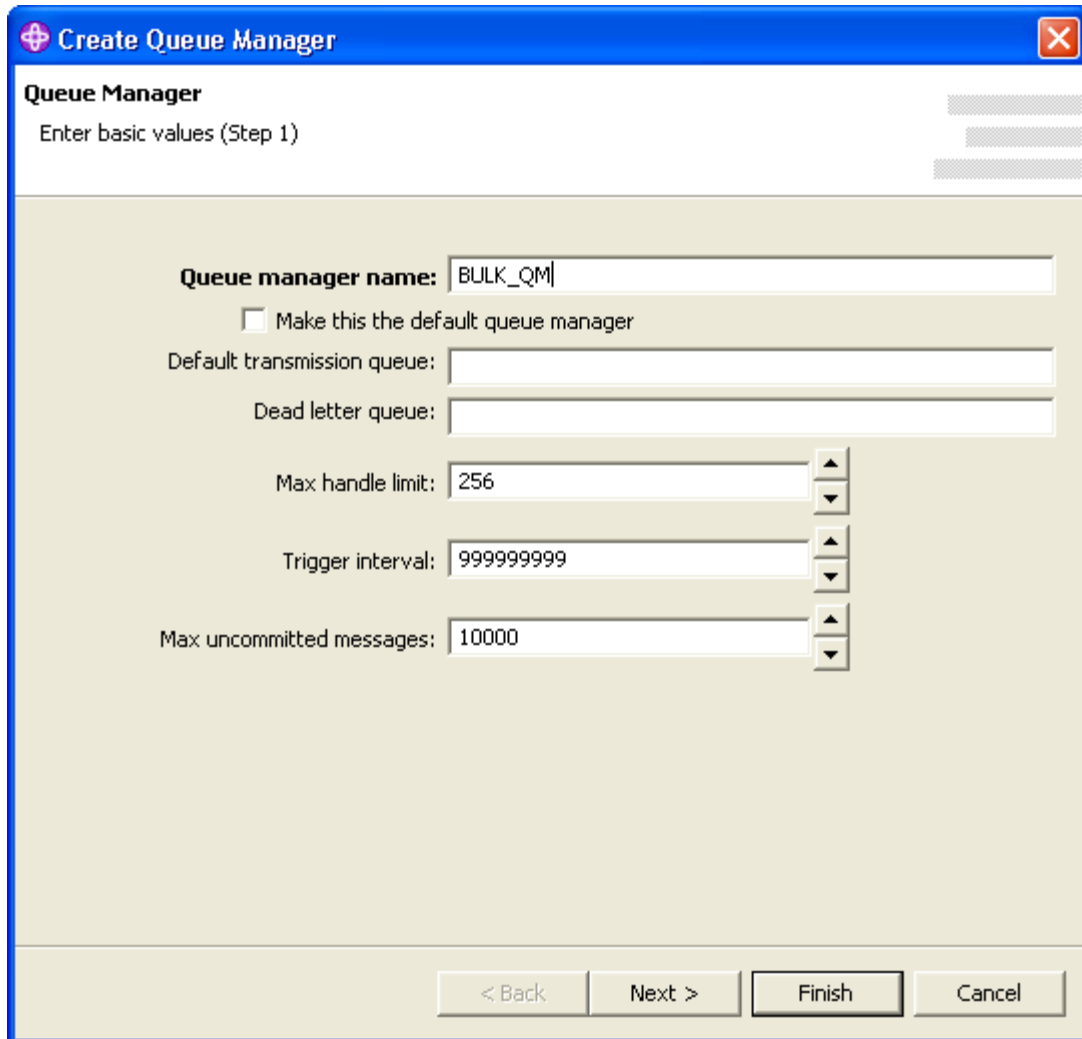
2 Integrating WebSphere MQ 6

2.1 Create Queue / Manager on MQ

1. Open websphere MQ explorer



2. Right click on "Queue Managers → New → Queue Manager".



The image shows a "Create Queue Manager" dialog box with a blue title bar and a close button. The main area is titled "Queue Manager" and "Enter basic values (Step 1)". It contains several input fields: "Queue manager name" with the value "BULK_QM", a checkbox "Make this the default queue manager" which is unchecked, "Default transmission queue" (empty), "Dead letter queue" (empty), "Max handle limit" with a value of 256, "Trigger interval" with a value of 999999999, and "Max uncommitted messages" with a value of 10000. Each of the last three fields has up and down arrow buttons to its right. At the bottom, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

Create Queue Manager

Queue Manager
Enter basic values (Step 1)

Queue manager name: BULK_QM

☐ Make this the default queue manager

Default transmission queue:

Dead letter queue:

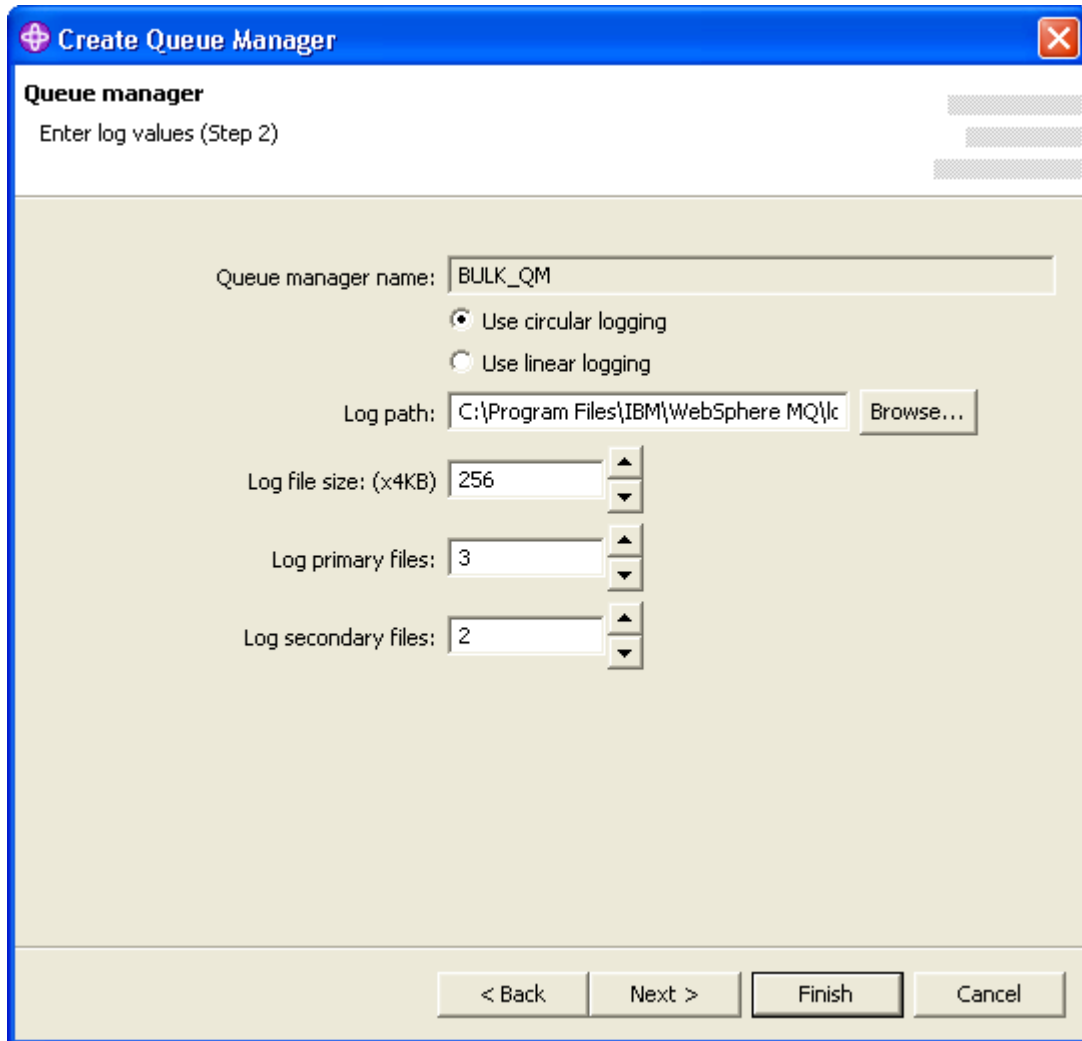
Max handle limit: 256

Trigger interval: 999999999

Max uncommitted messages: 10000

< Back Next > Finish Cancel

- Put Queue manager name.



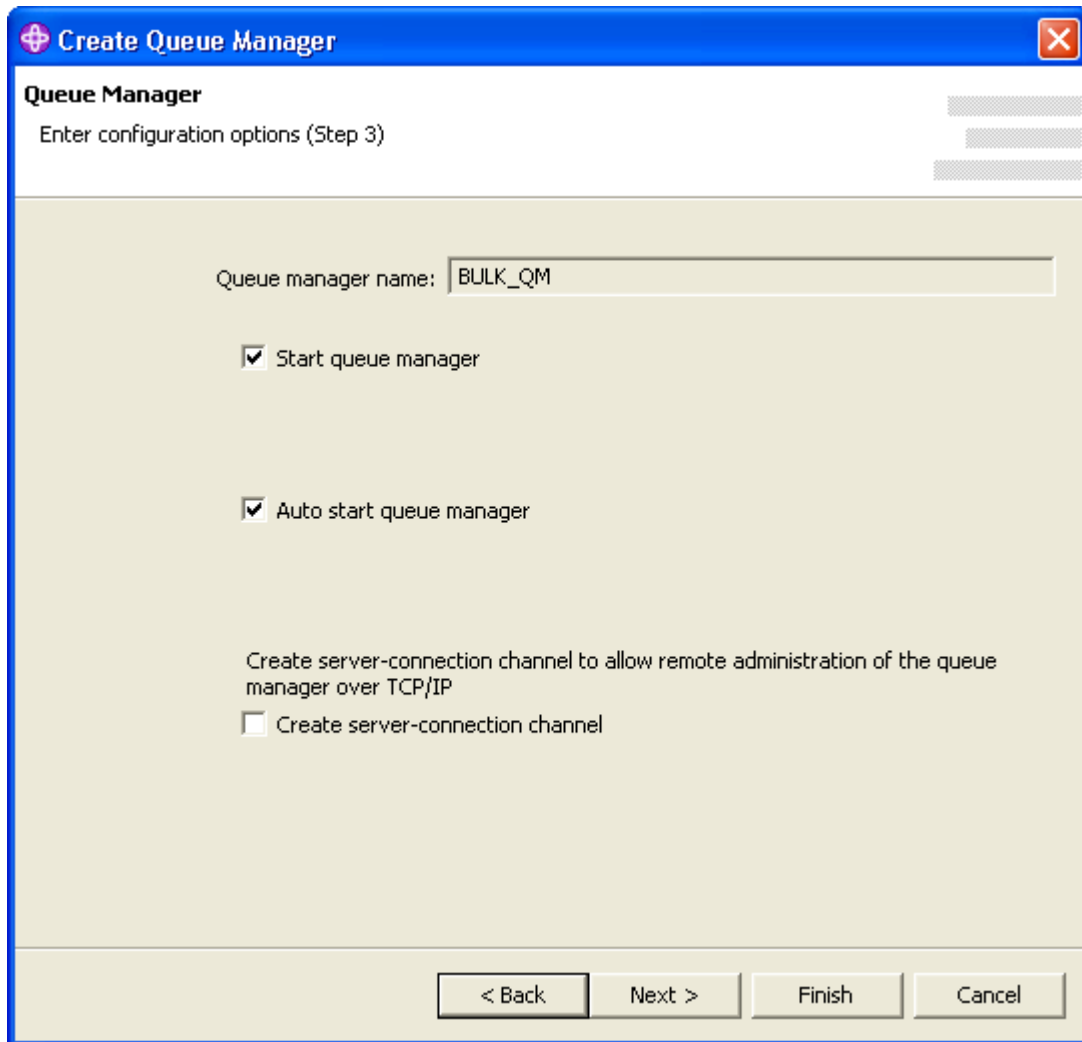
The image shows a Windows-style dialog box titled "Create Queue Manager". The subtitle is "Queue manager" and the instruction is "Enter log values (Step 2)". The dialog box contains the following fields and controls:

- Queue manager name:** A text box containing "BULK_QM".
- Logging options:** Two radio buttons. "Use circular logging" is selected, and "Use linear logging" is unselected.
- Log path:** A text box containing "C:\Program Files\IBM\WebSphere MQ\lc" and a "Browse..." button to its right.
- Log file size: (x4KB):** A spin box with the value "256".
- Log primary files:** A spin box with the value "3".
- Log secondary files:** A spin box with the value "2".

At the bottom of the dialog box, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

Click on "Next" button

4. Click on the "Next" button.



The image shows a Windows-style dialog box titled "Create Queue Manager". The title bar is blue with a standard Windows icon on the left and a close button (X) on the right. Below the title bar, the text "Queue Manager" is displayed in bold, followed by "Enter configuration options (Step 3)". The main area of the dialog is light beige and contains the following elements:

- A text input field labeled "Queue manager name:" with the text "BULK_QM" entered.
- A checked checkbox labeled "Start queue manager".
- A checked checkbox labeled "Auto start queue manager".
- A text label: "Create server-connection channel to allow remote administration of the queue manager over TCP/IP".
- An unchecked checkbox labeled "Create server-connection channel".

At the bottom of the dialog, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

5. Fill the "Listen on port number" with a value not used by any existing queue manger and click on "Finish".

Create Queue Manager

Queue Manager
Enter listener options (Step 4)

Queue manager name:

The queue manager needs a listener to monitor for incoming network connections, for some network protocols.

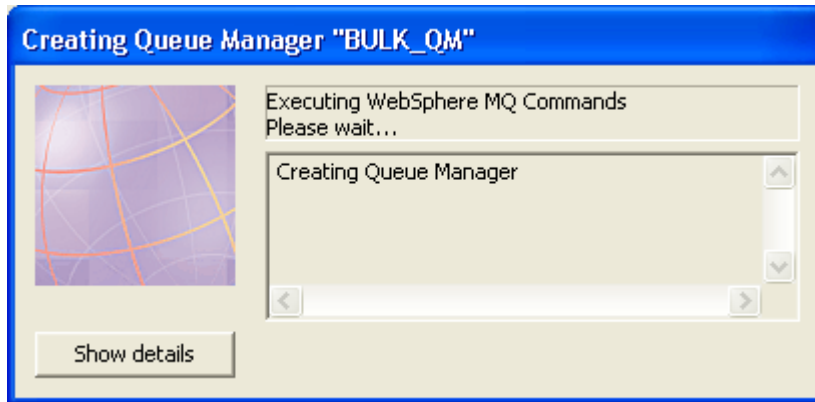
☒ Create listener configured for TCP/IP

The listener needs to listen on a port number not used by any other queue manager, service or application on this computer

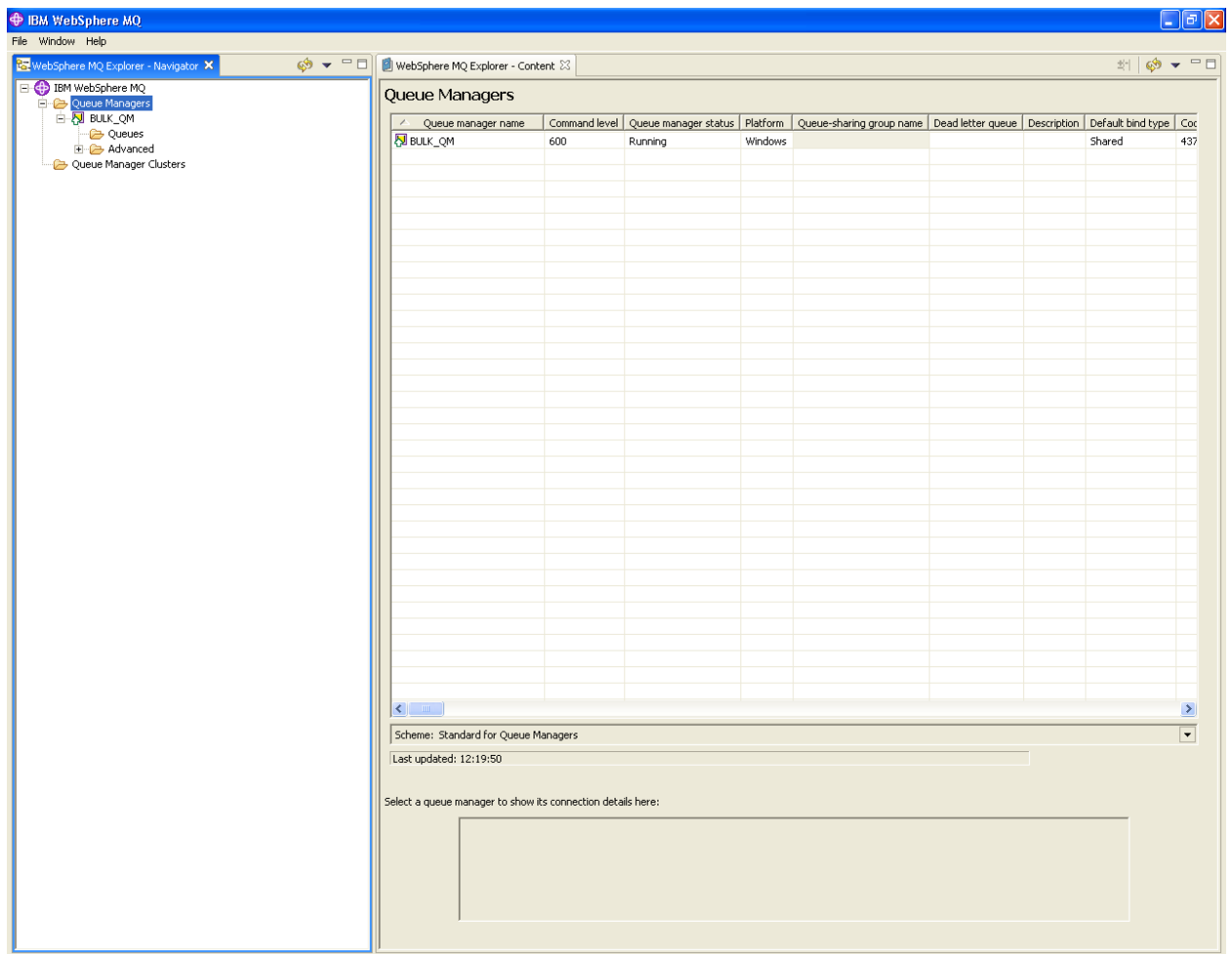
Listen on port number:

< Back Next > **Finish** Cancel

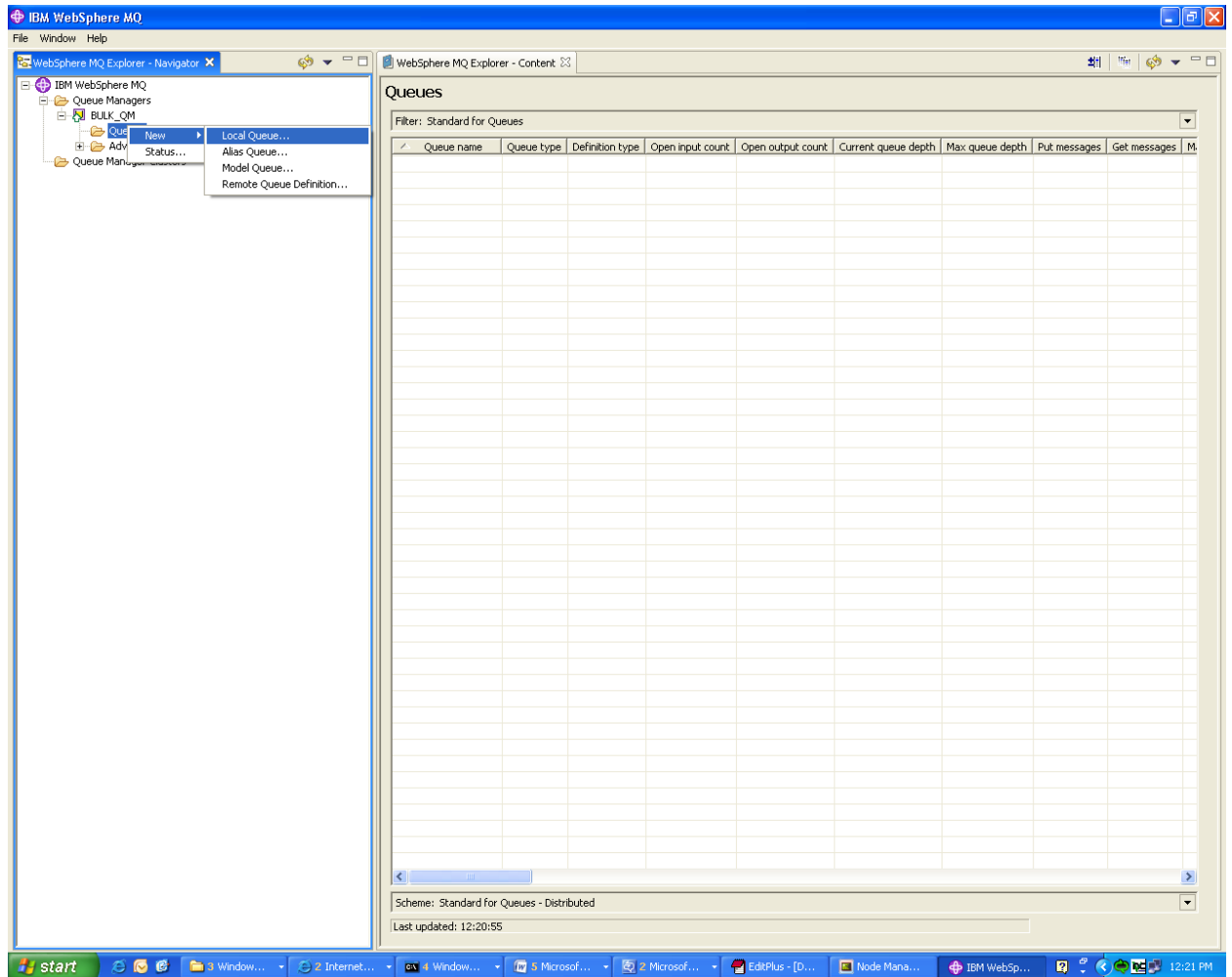
It will start the queue manager



6. Created queue manager will come into the list of the queue manager.



7. Expand the "Queue Managers → BULK_MQ (Queue name) → Right click on Queues → New → Local Queue".



8. Fill the queue name and click "OK".

The screenshot shows a Windows-style dialog box titled "New Local Queue" with a blue header bar. Below the title bar, the text "Create a Local Queue" is displayed, followed by the instruction "Enter the details of the object you wish to create". The main area of the dialog is light beige and contains two input fields. The first field is labeled "Name:" and contains the text "UPLOAD". The second field is labeled "Create it with the attributes like:" and contains the text "SYSTEM.DEFAULT.LOCAL.QUEUE". To the right of this second field is a button labeled "Select...". At the bottom of the dialog, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

New Local Queue

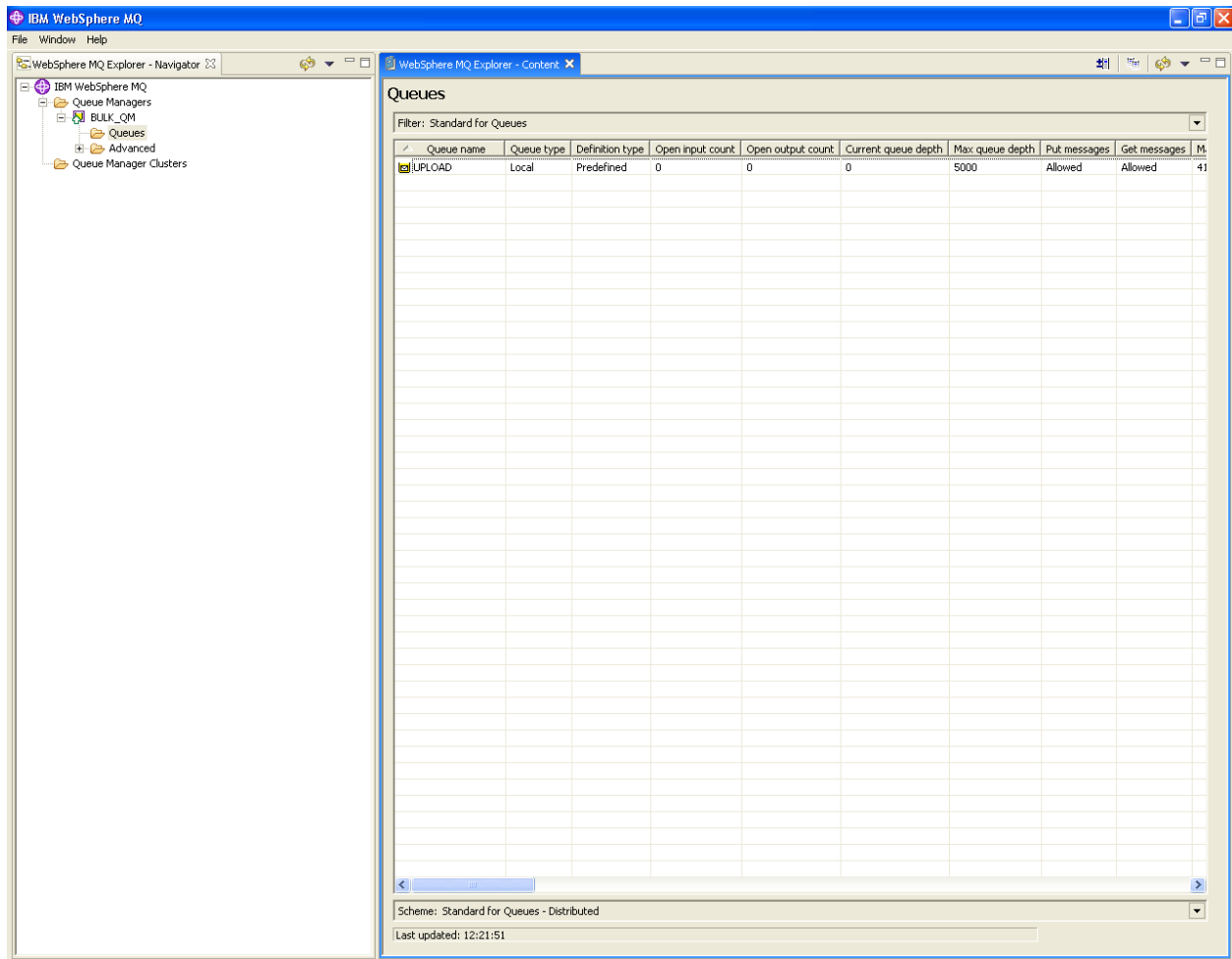
Create a Local Queue
Enter the details of the object you wish to create

Name:
[UPLOAD]

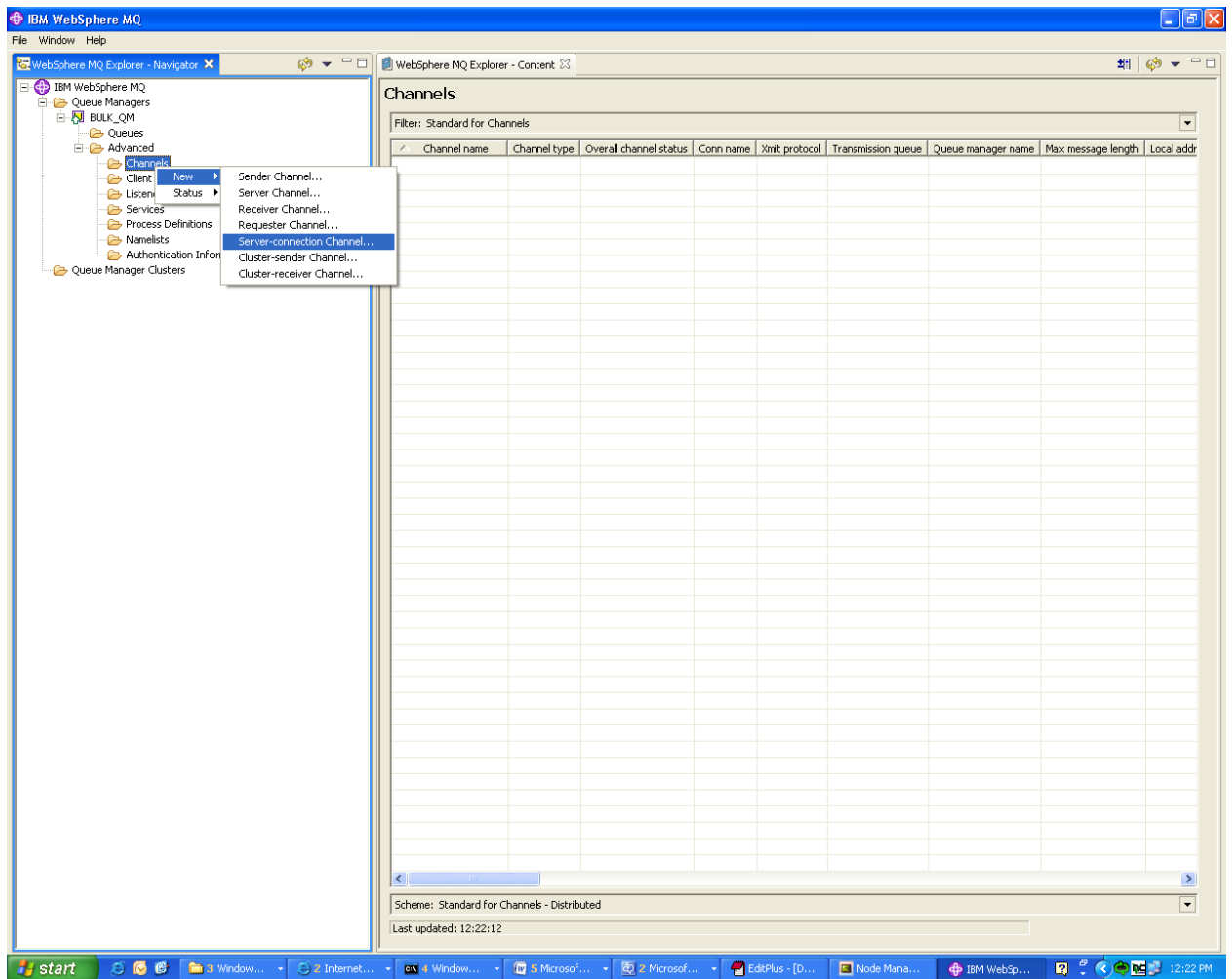
Create it with the attributes like:
[SYSTEM.DEFAULT.LOCAL.QUEUE] [Select...]

< Back Next > Finish Cancel

9. Created queue will appear in the table.



10. Expand the advanced tab under the created queue manager name.
Right click on “Channels → New → Server Connection Channel”.



11. Fill the channel name and click "*Finish*".

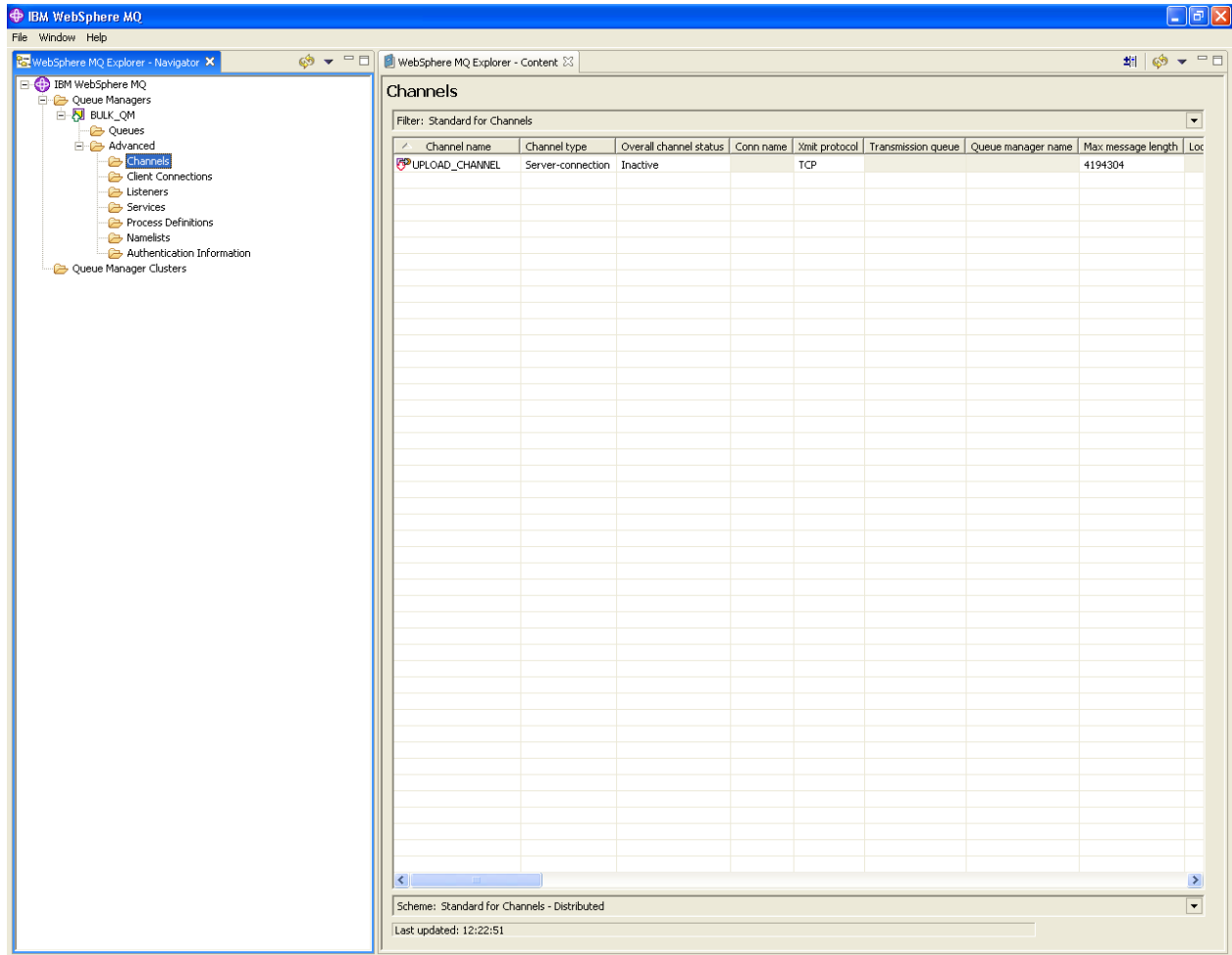
New Server-connection Channel

Create a Server-connection Channel
Enter the details of the object you wish to create

Name:

Create it with the attributes like:

12. The created channel will appear in the box.



2.2 Binding File Creation

1. Go to the *MQ_HOME\Java\bin* folder. Edit *JMSAdmin.config*.
2. Uncomment *com.sun.jndi.fscontext.RefFSContextFactory* and comment *com.sun.jndi.ldap.LdapCtxFactory*

For e.g.

```
#INITIAL_CONTEXT_FACTORY=com.sun.jndi.ldap.LdapCtxFactory
```

```
INITIAL_CONTEXT_FACTORY=com.sun.jndi.fscontext.RefFSContextFactory
```

3. Provide the location for the file as *file://localhost/D:/jndi-host* and comment the other *PROVIDER_URL*.
4. Go to the command prompt under the *MQ_HOME\Java\bin* directory folder and run *jmsadmin.bat* file. The prompt will change to *InitCtx*.
5. Run the following two commands in the same syntax.

i. *InitCtx> define qcf(QMGR1) qmgr(QMGR1) host(10.22.71.53) port(1416)
channel(SERVER_CH) tran(CLIENT)*

ii. *InitCtx>define q(AlertMDBQueue) qmgr(QMGR1) queue(AlertMDBQueue)*

Property Value	Description
QMGR1	Queue manager name/ Queue connection factory name.
10.22.71.53	ip address of the machine where the Queue is created
1416	The port where the queue is created
SERVER_CH	Channel created under the Queue Manager.
AlertMDBQueue	Queue name

CLIENT : Specify as CLIENT

Note : First command will create the Queue Manager and need to repeat second command for all queue belongs to that queue manager.