Vendor: IBM

Exam Code: C2180-376

Exam Name: IBM WebSphere MQ V7.0, Solution Design

Version: DEMO

QUESTION 1
An application is being designed which will send updates about customers to different applications. Given the sensitive nature of the data, the sending application needs to manage which applications receive the dat a. Which of the following is the best solution to ensure this?

A. Apply the publish-subscribe paradigm (one-to-many).
B. Each application should have its own queue on which it will listen for updates
C. All applications should listen on the same queue and after processing the message should update its header so the last application process can remove it from the queue
D. All receiving applications should listen on the same queue and the sending application should send separate copies of the message with attributes which allow the receiving applications to search the queue for their own copies.

Answer: B

QUESTION 2
A solution designer is considering different API options for a new WebSphere MQ application. Only IBM supported WebSphere MQ programming options should be considered. Which one of the following is not supported by IBM?

A. XMS
B. JMS
C. Perl
D. WebSphere MQ classes for .NET

Answer: C

QUESTION 3
A bus company is implementing a solution which will display in real-time the arrival information of the next bus on the bus stop sign. Each bus is sending information about its position at regular intervals. What is the best way of implementing this solution given that there is limited bandwidth for communication? The bus stop sign:

A. subscribes to messages published by the bus
B. queries a central system for bus position using SOAP over HTTP
C. replicates its own database every few minutes with a database stored on a central system
D. sends a message with a request every few minutes to a central system in order to query bus position. All replies are compressed.

Answer: A

QUESTION 4
An application queue is triggered for trigger type of DEPTH. Following this, what action should the job or program that was started as a result of the trigger take before it ends, so that the queue will be triggered again the next time that trigger depth (TRIGDPTH) is reached?

A. It needs to use MQSET or an ALTER QLOCAL command to reset triggering (TRIGGER) for the queue.
B. It needs to reset trigger depth (TRIGDPTH) for the queue through an MQSET or ALTER QLOCAL command.
C. It needs to reset trigger depth (TRIGDPTH) and triggering (TRIGGER) for the queue, using MQSET or an ALTER QLOCAL command.

D. No action needs to be taken. The queue manager will create the next trigger message when the current depth of the queue once again reaches trigger depth (TRIGDPTH).

Answer: A

QUESTION 5
Which new feature in WebSphere MQ V7.0 needs to be taken into account when WebSphere MQ solutions are deployed into mixed z/OS and distributed environments?

A. Queue sharing groups are now available between z/OS and other platforms; however, at least one queue manager in the group must still be hosted on z/OS.
B. The use of WebSphere MQ Explorer for the administration of z/OS based queue managers no longer requires a license for the Client Attachment Feature (CAF) for a limited number of users.
C. WebSphere MQ Client applications from distributed environments can now directly connect to z/OS queue managers; the Client Attachment Feature (CAF) is no longer required.
D. A WebSphere MQ Client implementation on z/OS is now available, so that full WebSphere MQ no longer needs to be installed on all z/OS systems that want to participate in message queuing.

Answer: B

QUESTION 6
The topic object for the topic x/y is defined with WILDCARD=PASSTHRU. Which of the following is the most appropriate use of a wildcard for this topic?

A. Subscribe to topic x/y/#
B. Publish the information to topic x/y/#
C. Publish the information to topic x/y/+
D. It is not possible to use a wildcard with this topic

Answer: A

QUESTION 7
An application creates documents in PDF format, which are subsequently transmitted via WebSphere MQ to a number of other servers in the network. Each server runs its own queue manager. The documents received by some servers are consistently corrupted, whereas on other servers the documents are intact. Other message traffic seems unaffected. What is the most likely source of this problem?

A. The environment variable MQCCSID specifies an incorrect value on the affected servers.
B. Incompatible message compression parameters are configured on the sending and receiving channel agents.
C. The network connection to the affected servers is unreliable and a message retry exit was not specified on the sending channel agent.
D. The affected servers run different CCSIDs from the servers creating the documents and the message descriptor specifies MQMD . Format as QSTR? causing message conversion.?QSTR? c ausing message conversion.

Answer: D

QUESTION 8

A solution designer has requested that several queues on a z/OS queue manager be defined with index type set to message ID, i.e., INDXTYPE(MSGID). Why would a designer use this setting?

A. It creates a permanent index of MSGIDs that are currently in use for this queue.
B. It allows MQGET commands to have significantly improved performance when getting messages by message ID .
C. It ensures that any new MSGIDs are unique as well as making the retrieval of messages based on message ID more efficient.
D. The queue manager will keep an index of MSGIDs that have already been used to make sure that the message ID is unique when a new message is put.

Answer: B

QUESTION 9
There are multiple instances of a cluster queue. Which of the following is recommended practice for the default binding (DEFBIND) parameter?

A. Allow the local WebSphere MQ administrators to define default binding as they think best for each instance of the queue.
B. Require the WebSphere MQ administrators to set default binding to the same value for all instances of the queue in the cluster.
C. The solution designer should consult with the development team and local WebSphere MQ administrator to determine how best to configure default binding of each queue manager.
D. The best option is to accept the default setting for default binding on each queue manager, as it should have been given the optimal setting by its WebSphere MQ administrator.

Answer: B

QUESTION 10
Queue Managers QMA and QMB both have a cluster queue definition for Q1. A sending application resides on QMC, which is also part of the cluster. The messages being sent from QMC contain data from the same account that needs to be processed at the destination (Q1) in the same order that the messages were sent. Which one of the following is MOST LIKELY to enforce the sending order on the destination queue, assuming the message can be routed to the destination queue?

A. The sending application sends the messages for the account within the same unit of work
B. The sending application specifies the destination Queue Manager and Queue name on the open for Q1 and sends the messages for the account
C. The sending application opens Q1 with MQOO_BIND_ON_OPEN and sends the messages for the account
D. Q1 is defined with DEFBIND(OPEN) and the sending application opens Q1 and sends the messages for the account

Answer: C

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