Exam Code: 000-996

Exam Name: Test996,IBM WebSphere MQ.V6.0.Solution

Design

Vendor: IBM

Version: DEMO

Part: A

1: An application publishes documents in PDF format as WebSphere MQ RFH2 messages to a wide range of recipient platforms. Which of the following is critical to ensure the documents are processed correctly?

A.The National Language support on the recipient systems must match the code page with which the PDF document was created.

B.The message format in the MQMD must be specified as MQFMT_NONE.

C.The PDF document size must not exceed 4MB.

D.This is only supported on Windows platforms.

Correct Answers: B

2: An organization will use WebSphere MQ to connect its central z/OS systems to its 20 branch offices. Each of the 20 offices runs applications on an AIX platform. The z/OS system supports two z/OS LPARs. One is for production and the other is for both development and testing. Separate AIX machines are available for production and testing and development.   There will be individual queue managers supporting production, testing and development. Which of the following naming standards is MOST appropriate?

A.Channel names will be <sending-qmgr-name>.to.<receiving-qmgr-name>.

B.z/OS queue manager names will be MQQx where x= P, T, or D for the Production, Testing, and Development environments.

C.AIX queue manager names will be AMQx where x= P, T, or D for the Production, Testing, and Development environments.

D.Applications will query a z/OS DB2 table for the name of the correct queue manager to use.

Correct Answers: A

3: Which of the following message standards is MOST appropriate for an enterprise that needs to tag each application message with a 48 byte identifier?

A.Use the CorrelId field in the MQMD.

B.Use the ReplyToQ field from the MQMD.

C.Use the CorrelId field in the transmission queue header (MQXQH).

D.Use a customer specified message header to precede application data.

Correct Answers: D

4: A large enterprise has an MQ-based messaging infrastructure to support a diverse range of applications across multiple platforms. A number of the applications are JAVA based. Some execute in an iSeries environment. The enterprise must now begin to exchange messages with its business partners using WebSphere MQ. Which of the following is the MOST important consideration for the messages passed between the applications?

A.Data conversion issues are simplified if all messages are character strings.

B.The format for all messages must be an industry standard such as EDI, RosettaNet, cbXML, etc.

C.All messages must be digitally signed before being transmitted to the business partner.

D.All messages need to be encrypted before being transmitted to the business partner.

Correct Answers: A

5: The WebSphere MQ client interface is popular in part because the client software is free, but this is offset by a number of functional limitations. When deciding whether to deploy an application with the client interface or with a local queue manager, these must be considered. Which of the following is NOT a limitation of the WebSphere MQ client?

A.Clients cannot be centrally managed by WebSphere MQ tooling.

B.In the event of a network outage it can be difficult to determine if the last API call was actually performed.

C.Data cannot be stored as messages by the client in the event of network outages.

D.Transactional processing with local units of work is not supported.

Correct Answers: D

6: A company's inventory application operates using a WebSphere MQ cluster containing several instances of the queue, STOCKQ. Assume one instance of STOCKQ is local to queue manager QM1 and CLWLUSEQ remains at its default value. Which method will be used by the standard workload management algorithm on QM1 to determine which queue manager is to receive a message MQPUT to STOCKQ?

A.It will always select the local queue manager.

B.It will select the queue manager that it sent to most recently.

C.It will select the queue manager that is receiving the least number of messages.

D.It will choose from the available queue managers using a round-robin approach.

Correct Answers: A

7: A company has a production WebSphere MQ cluster. They have recently upgraded to the latest version of WebSphere MQ. The current cluster has three queue managers, two in Paris which contain an instance of APP.QUEUE application queue. The third in London acts as a gateway to facilitate work load balancing. There is a requirement to add two queue managers in Rome to the network to take 25% of the workload. Which of the following should be performed to accomplish this task?

A.Add the Rome queue managers to the existing cluster. Set CLWLWGHT values on the channels.

B.Add the Rome queue managers to the existing cluster. Set CLWLPRTY values on the queues.

C.Add the Rome queue managers to the existing cluster. Set CLWLUSEQ values on the queue managers.

D.Update the Cluster Workload Exit accordingly.

Correct Answers: A

8: An architect has designed an AIX application that will update WebSphere MQ queues and a DB2 database within a single unit of work, using WebSphere MQ as the transaction manager. The architect wishes to be sure that all possible recovery options are covered within the application in the case of a failure of the transaction manager or the resource managers.   In which of the following circumstances should the architect consider preparation of additional recovery procedures?

A.If the application crashes within the unit of work before the MQCMIT

B.If the database crashes within the unit of work before the MQCMIT

C.If the database crashes during the MQCMIT, before the database indicates that it is prepared to commit

D.After the database indicates that it is prepared to commit, and the transaction manager can not be recovered

Correct Answers: D

9: An existing high volume WebSphere MQ for z/OS V6 application is changing data stored in messages from a COBOL Copybook format to XML format. There will be a delay before messages can be transmitted. The requirements specify that with move to XML, over 4GB of message data may now need to be held at one time. What action should be recommended?

A.These volumes are unacceptable to WebSphere MQ. Redesign the application.

B.The underlying page set should be resized to account for the new volumes.

C.A message exit should be written to compress data stored in the queues

D.Transmission queue maximum queue depth should be increased.

Correct Answers: B

10: A financial institution needs to reliably transfer data between local and remote applications. This data is highly sensitive.   It can only be available to the source and target applications, NOT even to MQ administrators. Which of the following actions is MOST appropriate to protect this sensitive data throughout the infrastructure?

A.Use the OAM to prevent unauthorized access of the data within the queues.

B.Use the SSL feature of the WebSphere MQ channels.

C.Provide channel exits to protect the data in transit between the applications.

D.Use an application level security package to protect the data.

Correct Answers: D

11: In order to transfer very large data objects between systems, most current versions of WebSphere MQ can use reference messages. Which of the following BEST describes how this is done, on platforms where supported?

A.Channel message exits at both ends will attach/detach data of the object to/from the reference message, thus letting the data bypass the queues at both ends, and delivering a single reference message when complete.

B.The channel is configured with message exits at both ends, which apply powerful data compression algorithms based on parameters provided in the reference messages, thus reducing the overhead of queuing and transmission.

C.Reference messages are a way to specify parameters to the queue manager that enable it to effect the segmentation of very large messages transparently to the applications.

D.Such a feature does not exist in WebSphere MQ V6.0.

Correct Answers: A

12: A financial organization is implementing WebSphere MQ to connect applications in a z/OS batch environment.   A security requirement exists to only allow some applications to put messages on a particular queue.   Also, the security requirement allows some other applications to only get messages from that queue. How should this security requirement be implemented?

A.Define separate PUT and GET queues.

B.Design the application to use a model queue.

C.Utilize separate alias queues for PUT and GET operations.

D.List the authorized applications as PUT/GET with ENABLED/DISABLED parameters.

Correct Answers: C

13: A company is creating a backup and recovery plan for a WebSphere MQ application to be implemented on a z/OS system. Which of the following is a disadvantage of a full backup?

A.A full backup requires dual logging.

B.A full backup requires more DASD space than a fuzzy backup.

C.A full backup page set cannot be used to recover if the logs are damaged or lost.

D.A full backup requires a queue manager shutdown.

Correct Answers: D

14: After converting a file based solution to real time messaging, sales information is sent to a central queue from several branch offices. The information is structured as header, detail and trailer data.   What is the BEST way to design this in terms of performance and code complexity?

A.Combine all header, detail and trailer information into a single message per sale.

B.Assign a higher priority to the header message to ensure it is retrieved first.

C.Assign a higher priority to the trailer message to ensure that the sales order is complete before starting to process the sale.

D.Code a unique MsgId value for all messages from the same branch.

Correct Answers: A

15: A company has a WebSphere MQ based Car Rental application executing on two AIX servers. With the development of a web interface to the application, it needs to be made available on a 24 x 7 basis. The solution selected needs to be resilient to hardware failure to minimize down time. Messages need to be processed without any delay. Which is the MOST appropriate action to suggest?

A.Remote queues should be configured to a z/OS queue manager.

B.The application should implement a WebSphere MQ clustered solution.

C.Shared queues should be used to achieved peer-to-peer recovery.

D.WebSphere MQ should be configured to use HACMP.

Correct Answers: D

16: An ActiveX control is invoked by a VBA script inside Excel spreadsheets. It subscribes to a publication and incorporates incoming published data into the spreadsheet. All subscribers share a single queue and use a correlation ID to differentiate between subscribers. A timestamp-based unique value for the correlation ID was created upon startup. After a few days the queue was found containing an excessive number of messages and retrieval became very slow. Which two of the following measures can be used to overcome this problem?

A.Assign each subscriber his own queue.

B.Expire all relevant subscriptions after 18 hours.

C.Increase the maximum number of messages attribute of the queue.

D.Increase the maximum message size attribute of the queue.

E.Decrease the number of users concurrently allowed on to the system.

Correct Answers: A B

17: A company wishes to implement a WebSphere MQ workstation-based application. The application gets a message from a queue and uses that data to issue several database updates, all within a single unit of work. Which two of the following WebSphere MQ configurations are appropriate to satisfy this requirement?

A.All systems must be configured as WebSphere MQ clients.

B.All systems must be configured as WebSphere MQ servers.

C.Any combination of WebSphere MQ clients and servers will work.

D.Each client must be attached to a dedicated server.

E.A combination of WebSphere MQ servers and Extended Transactional Clients will work.

Correct Answers: B E

18: A WebSphere MQ user is planning for a server that should be running with as little administrative intervention as possible. The queue manager on this server should automatically resume operations after a restart. Recovery of all data in the event of a total failure is not a requirement. Which of the following BEST describes the requirement for logging?

A.Linear logging should be used; inactive logs can be archived over the WAN.

B.Circular logging is the best fit for this requirement.

C.The choice of logging style is not important for this requirement.

D.Linear logging is required but inactive logs can be automatically discarded.

Correct Answers: B

19: A travel agency is designing an application that creates a single reply to confirm a flight reservation, a hotel room reservation, and a car rental.   The application will send WebSphere MQ messages to three separate destinations.   The application is designed to be restarted by a trigger when all three responses are received.   In order to avoid being triggered when two replies from its requests have been received and a reply from an unrelated request arrives on the reply-to-queue, how must the application be designed?

A.Assign a different priority for each request.

B.Use a dynamic reply-to queue for each request sequence.

C.Define a unique trigger message data string for each request.

D.Design the reply messages to be sent as a message group.

Correct Answers: B

20: A customer is developing a messaging architecture using the WebSphere MQ API to interface with IMS on a z/OS host.   Which of the following techniques is MOST appropriate to transfer data to a WebSphere MQ enabled IMS application?

A.Use the WebSphere MQ IMS bridge function.

B.Use WebSphere MQ triggering to start IMS transactions.

C.Have the WebSphere MQ application insert the IMS transaction code in the input message.

D.Write an applet to transfer data from the message queue to an IMS input dataset.

Correct Answers: B