IBM

Exam C9530-376

IBM WebSphere MQ V7.0, Solution Design

Version: 5.1

[Total Questions: 98]

Question No : 1

A company is in the midst of a large SOA transformation initiative, and is looking to utilize Web Services protocols wherever possible. A solution designer would like to leverage the existing WebSphere MQ infrastructure and skills. The solution designer is instructed to provide guidance regarding platform coverage. Which of the following best meets both requirements and will allow the company to utilize a SOAP stack to process SOAP/MQ messages?

A. Supported UNIX Based systems only
B. Supported Windows and UNIX based systems
C. All supported WebSphere MQ Platforms
D. z/OS supported UNIX and Windows systems

Answer: D

Question No : 2

A solution designer is considering writing a base WebSphere MQ client application, and needs to ensure that after the message is taken off the queue, the message is not lost if the transaction fails. Which one of the following should be used?

A. Utilize the MQGMO_SYNCPOINT option to process within syncpoint
B. Utilize the MQBEGIN and MQCMIT and MQBACK commands to process this in a Logical Unit of Work
C. Program with minimum application code to reduce the exposure window
D. The Extended Transactional Client or the full MQ Server installation is required

Answer: A

Question No : 3

A company needs to send state information to many recipients. The recipients will change over time, and they only want to receive the latest data if and when they need it. Which of the following most closely satisfies the requirements and is most efficient for the subscriber?

A. Distribution lists
B. Durable subscriptions
C. Nondurable subscriptions
D. Retained publications and use of MQSUBRQ

Answer: D

Question No : 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 No : 5

Business owners want to allow an existing application to be easily portable to any of four Linux servers in their data center. For this they want the four queue managers on these servers to be changed to have the same name. What must be the response of the WebSphere MQ Solution Designer?

A. There is no problem.
B. Queue managers cannot be renamed, so this can only be done by recreating the queue managers. Beyond that, there is no problem.
C. It is possible to define queue managers with identical names in a network, but it is not recommended.
D. It cannot be done. All interconnected queue managers must have unique names.

Answer: C

Question No : 6

Business owners want to allow an existing application to be easily portable to any of four

Linux servers in a cluster. For this, they want the four queue managers to be changed to have the same name. What must be the response of the WebSphere MQ Solution Designer?

A. There is no problem.
B. Queue managers cannot be renamed, so this can only be done by recreating the queue managers. Beyond that, there is no problem.
C. It is possible to define queue managers with identical names in a cluster, but it is not recommended.
D. It cannot be done. The repository will reject duplicate queue managers.

Answer: C

Question No : 7

In designing a solution with availability in mind, the designer is considering the following two alternatives, one using a cluster queue and the other using a shared queue. In each scenario, Queue Managers QMA and QMB will both be capable of running Application A. In the first scenario, Application A will run on QMA and QMB on Windows accessing cluster queue QA. In the second scenario, Application A will run on QMA and QMB on z/OS accessing shared queue QA. Which of the following describes the availability scenarios in the situation where QMA fails?

A. For Windows, the delivered messages on QA that Application A on QMA did not get to process are available for processing by Application A on QMB
B. For z/OS, the delivered messages on QA that Application A on QMA did not get to process are available for processing by Application A on QMB
C. For Windows, messages from QA that were in flight on QMA when it failed are made available for processing on QMB
D. For z/OS, messages from QA that were in flight on QMA when it failed are unavailable for processing by QMB

Answer: B

Question No : 8

A company wants to improve the availability of their MQ JMS client applications by introducing multiple Queue Managers to process the MQ JMS client application requests. Which of the following are MQ capabilities that are available to JMS client applications for using multiple Queue Managers?

A. Workload balancing exit that comes with MQ

B. Specification of an alternate Queue Manager in the JNDI definition

C. Client channel definition table containing multiple Queue Manager definitions

D. Client channel definition table with workload balancing of a certain weighting of the traffic to one Queue Manager and the rest of the traffic to an alternate Queue Manager

E. Application coding to make an MQCONN call to the alternate Queue Manager when the primary Queue Manager is not available

Answer: C,D

Question No : 9

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? causing message conversion.

Answer: D

Question No : 10

There is concern about the security of an application data, so the solution designer is asked to explain what protection is available from SecureThere is concern about the security of an application? data, so the solution designer is asked to explain what protection is available from Secure Sockets Layer (SSL). Which of the following best describes the SSL support in base WebSphere MQ?

A. confidentiality (data encryption)

B. authentication and confidentiality (data encryption)

C. authentication, confidentiality (data encryption) and integrity

D. authentication, confidentiality (data encryption), integrity and non-repudiation

Answer: C

Question No : 11

A company is porting a solution written in C to i5/OS (successor to OS/400) that will send orders to the Order Processing system, which is a WebSphere MQ application on z/OS. Which of the following configurations for the new solution on i5/OS provides the function needed for this scenario? The solution on i5/OS would run:

A. only as a client, using the WebSphere MQ client on i5/OS to access the Order Processing system.
B. only as a server, using the WebSphere MQ server on i5/OS to access the Order Processing system.
C. as a client or full server, using either the WebSphere MQ client or a full WebSphere MQ server on i5/OS to access the Order Processing system.
D. as a standalone application, accessing a WebSphere MQ-enabled adapter on the mainframe to access the Order Processing system.

Answer: B

Question No : 12

Which one of the following statements is true about the use of message properties and message selectors?

A. Filtered out messages are discarded by the queue manager.
B. Message selectors are specified in MQGET calls to filter out unwanted messages.
C. Message selectors are specified in MQOPEN and MQSUB calls to filter out unwanted messages.
D. MQMD fields but not MQRFH2 fields can be used in selectors like message properties for filtering.

Answer: C

Question No : 13

A master data management solution has been implemented for the enterprise. Updates with customer and product data need to be distributed to several applications. What is the BEST approach given that not all applications might be interested in every customer type?

A. Use the publish/subscribe paradigm.

B. Receive updates on application-specific queues. Message properties and selectors should be used for filtering.

C. Browse a common queue for updates.

D. Use a request-reply pattern and query the MDM (Master Data Management) application.

Answer: A

A solution designer and the development team are discussing whether the "Read Ahead" feature of WebSphere MQ can improve performance for the application they are developing. Which of the following would be MOST able to benefit from this feature?

A. Nonpersistent messages consumed by a client program.

B. Nonpersistent messages consumed by a client or a bindings program

C. Persistent or nonpersistent messages consumed by a client program

D. Persistent or nonpersistent messages consumed by a client or a bindings program

Answer: A

A solution developer needs to promote newly developed applications from the development environment through the user acceptance test environment and into the production environment. Which of the following will best avoid issues with naming conventions for application-owned permanent queues?

A. A standard should be implemented by which all queue names will be prefixed with the queue manager name, which will begin with the strings EV? AT?or RD? respectively, to indicate the current environment. Applications will have to amend queue names accordingly before?EV? ?AT?or ?RD? respectively, to indicate the current environment. Applications will have to amend queue names accordingly before opening the queues.

B. The alias queue names used in the application code will be prefixed with EV? AT?or RD? respectively, so that applications can beThe alias queue names used in the application code will be prefixed with ?EV? ?AT?or ?RD? respectively, so that applications can be promoted between environments without having to change the queue names.

C. WebSphere MQ clustering should be used to resolve queue names and locations dynamically.

D. The names should be identical across the various environments, so that no changes to applications or object definitions between queue managers are required during promotion.

Answer: D

Question No : 16

In a centralized queuing environment, a batch program is processing a file, and putting the transactions onto a queue for processing within syncpoint control. The batch program is experiencing issues, and a support resource is contacted to investigate. Which of the following is NOT a likely cause of the issues?

A. The application issues commits infrequently
B. The MAXDEPTH parameter is causing restrictions on the queue.
C. Because the real-time non-persistent messages are mixed in with the batch transactions on the queue, the queue is filling up.
D. Because the real-time non-persistent messages are mixed in with the batch transactions on the queue, the circular logs are filling up and writing over each other.

Answer: D

Question No : 17

If a series of exceptions is thrown for a WebSphere MQ JMS program, which of the following is typical?

A. The WebSphere MQ Reason and Completion code will not be reported in the exceptions.
B. The order in which the exception messages are shown is random and cannot be relied on.
C. The most detail about the cause of the problem should be found in the exception at the top of the list.
D. The exceptions at the top of the list will be more general, and subsequent exceptions will provide more detail about the cause of the problem.

Answer: D

Question No : 18

A designer is asked to explain the scope of message encryption provided by the SSL support in WebSphere MQ. Which of the following is the most accurate?