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Q&A

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Exam : **000-967**

Title : XIV Replication and Migration V1

Version : Demo

1.When migrating a volume from a DS8100 to an XIV system, which of the following best describes considerations for this migration?
A. The source volume size must be a multiple of 17 GB.
B. The source volume must not be a global mirror source volume.
C. The DS8100 must be connected to the XIV using two or more paths.
D. The volume must be accessible only from the XIV, and inaccessible to all other hosts.
Answer: D

2.When setting up an Intel Linux host to boot from the SAN, the host adapter BIOS should be:
A. Enabled
B. Deleted
C. Disabled
D. Installed
Answer: A

3.An asynchronous replication on an XIV system has been running for some time with no issues. A synch job is scheduled for 4:00 AM, at which point all updated volumes will be replicated to the DR site. By what method are the updates calculated?
A. The "most_recent" snapshot is created on the master, and compared to the "last_replicated" snapshot on the slave.
B. The "most_recent" snapshot is created on the master, and compared to the "last_replicated" snapshot on the master.
C. The timestamps of the block writes to the master are used to determine the writes to be sent; only writes occurring after the last synch job are sent.
D. The new entries in the asynch buffer are used to determine the writes to be sent to the slave; only writes occurring after the last synch job are sent.
Answer: B

4.A customer is preparing to initiate a migration from legacy storage to an XIV system. What IBM tool can be used to gather and store historical disk array performance data?
A. IBM DS Storage Manager
B. IBM Tivoli Storage Manager
C. IBM Tivoli Storage Productivity Center for Data
D. IBM Tivoli Storage Productivity Center Standard Edition
Answer: D

5.A storage consultant is conducting a planning session for an XIV implementation. The customer is interested in the remote mirroring feature. The two locations are 200 miles apart with multiple DS3000 links (45Mbit/sec per line). One XIV system will be installed in each location. What type of XIV replication fits the requirement best?
A. metro mirroring
B. global mirroring
C. synchronous mirroring
D. asynchronous mirroring

Answer: D

6.In a 6 module XIV system configuration, how many iSCSI ports for each XIV system can be used for remote mirroring?
A. 0
B. 1
C. 2
D. 6
Answer: A

7.What is an IBM resource for identifying host bus adapters that are compatible with the XIV system?
A. IBM XIV Storage System Sales Kit
B. System Storage Interoperation Center web page
C. XIV Storage System Host System Attachment Guide
D. IBM XIV Storage System: Architecture, Implementation, and Usage Redbook
Answer: B

8.A worldwide financial company is interested in XIV replication. Their requirement is to replicate data between Chicago to Tokyo on an hourly basis. The data change rate ranges from 50 MB/s to 100 MB/s. Assuming sufficient bandwidth, can the XIV system meet these requirements?
A. No, XIV doesn't have remote mirroring function.
B. Yes, XIV asynchronous mirroring can support it.
C. Yes, all XIV mirroring technologies can support it.
D. No, none of XIV mirroring technologies can support it.
Answer: B

9.A customer has two 10-module XIV systems, each located at a different site. Synchronous replication is operating between the XIV systems in a bi-directional configuration and using iSCSI as the transport. The sites are linked via Metropolitan Area Network (MAN). A variety of business functions are sharing the site-to-site link with the XIV replication including VoIP, remote desktop, email, and other business related functions. There is currently no prioritization or quality of service being applied to the site-to-site link. At random times during the month, a changing number of
business critical applications are experiencing severe performance degradation. At the times when the performance degradation is occurring, VoIP users are reporting a large number of dropped and lost calls. It has been noted, the performance degradation seems to be worse during month-end processing but there are no measurements to support this assertion. It has also been noted that the performance degradation does not seem to be limited to servers hosted on the XIV systems. The customer has asked if adding additional modules to the XIV systems would resolve the performance issue. Which of the following items should be monitored to answer the customer's question?
A. Site-to-site link latency.
B. CPU Utilization for each XIV system module.
C. CPU utilization on performance degraded servers.
D. Fibre Port bandwidth on non-XIV attached servers.
Answer: A

10.An asynchronous replication is created with a schedule of 20 seconds. Due to the amount of data to replicate, an average synch job takes 30 seconds for this design. Which of the following situations will apply?
A. Replication will not lag behind new data creation.
B. Replication will lag behind new data creation by an average of 40 seconds.
C. Replication will lag behind new data creation by an average of 20 seconds.
D. Replication will lag behind new data creation by an average of 30 seconds.
Answer: B

11.A governmental agency has purchased an XIV system to replace an IBM DS4300 that is out of support. The current host environment includes many AIX hosts with single HBAs. The manager of information technology would like to better understand what options are available for data migration. Which of the following statements describes the support level for migration in this environment?
A. Single attached hosts are not supported with XIV.
B. Hosts cannot be migrated via host-based mirroring.
C. IBM DS4300 is not supported as an XIV data migration source.
D. Single attached hosts can be migrated with XIV data migration.
Answer: D

12.A large corporation has purchased an XIV Storage System to replace an existing fiber channel storage subsystem. Which of the following is an unsupported method to migrate this data?
A. IBM Softek TDMF
B. XIV Volume Copy
C. XIV Data Migration
D. Native Host-Based Mirroring
Answer: B

13.In asynchronous replication, the "most_recent" snapshot represents:
A. the most recent snapshot taken of the slave, existing only on the slave XIV.
B. the most recent snapshot taken of the master, existing only on the master XIV.
C. the most recent snapshot taken of the slave, existing on both the master and slave XIV at completion of replication.
D. the most recent snapshot taken of the master, existing on both the master and slave XIV at completion of replication.
Answer: B

14.Which of the following operating system types requires an RPQ for attachment to an XIV system?
A. AIX 5.1
B. AIX 5.3
C. AIX 5.2
D. AIX 6.1
Answer: C

15.In a 15 module XIV system configuration, what is the minimum number of FC ports for each XIV system to be used for remote mirroring if an FCP link is to be used?
A. 0
B. 1
C. 2
D. 4
Answer: C

16.An XIV system can be associated with how many other XIV systems for the purpose of replication?
A. 1
B. 4
C. 8
D. 16
Answer: D

17.What is the largest logical LUN size that can be created on a single XIV system?
A. 2 TB
B. 16 TB
C. 32 TB
D. Only limited by the total physical capacity of the system
Answer: D

18.A customer is planning to migrate two 20 GB LUNs from a legacy storage system to an XIV system using the XIV data migration facility. How much capacity will be allocated on the XIV system?
A. 34 GB
B. 40 GB
C. 68 GB
D. 72 GB
Answer: C

19.LUNs have been provisioned to a Red Hat Enterprise Linux server. However, the disks are not being recognized on the system. After investigating the possible cause, the administrator realized that the /etc/selinux/config file needs to be modified to support the XIV system. Which line needs to be edited in the file?
A. change SELINUX=enforcing to SELINUX=disabled
B. change SELINUX=disabled to SELINUX=enforcing
C. change SELINUXTYPE=strict to SELINUXTYPE=targeted
D. change SELINUXTYPE=targeted to SELINUXTYPE=strict
Answer: A

20.A DS4800 is the current primary storage subsystem. A customer is using this with native AIX MPIO. Which of the following statements is TRUE regarding XIV data migration in this environment?
A. AIX MPIO will allow simultaneous read/write access to the XIV and DS4800.

B. After the XIV data migration is activated, there is no option to update the data on the DS4800.
C. The data can be read or written by the host after the zoning is changed and XIV data migration is activated.
D. The pathing mechanism is active/active for DS4800 and it has to be kept the same during the data migration to provide data availability from the host.
Answer: C