

Exam : IBM 000-389

**Title : IBM totalstorage networking
& virtualization architecture
v2**

Version : Demo

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1. A customer is installing their second IBM TotalStorage virtualization solution. It will be a four-node IBM TotalStorage SAN Volume Controller cluster. How many IP addresses are required?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: A

2. Which TWO of the following describe the functions performed by the IBM TotalStorage FAStT Storage Manager when configuring the storage to the IBM TotalStorage SAN Volume Controller (SVC)?

- I. Create the disk array(s).
- II. Assign LUN(s) to managed disk groups.
- III. Assign LUN(s) to SVC cluster.
- IV. Assign the LUN(s) to the host servers.

- A. I and II
- B. I and III
- C. II and IV
- D. III and IV

Answer: B

3. A customer is planning to add an IBM TotalStorage SAN File System V1.1.0 to their existing storage network. The customer would be a candidate for deployment of this storage file virtualization if the customer had which TWO of the following systems?

- I. HP-UX
- II. AIX
- III. Sun Solaris
- IV. Windows

- A. I and II
- B. I and III
- C. II and III
- D. II and IV

Answer: D

4. When reading or writing to an 8-port line card on a Cisco MDS 9509 Multilayer Director (2062) switch, the IP protocol encapsulates

- A. SCSI
- B. ESCON
- C. RS-422A

D. IEEE 802.3

Answer: A

5. In a SAN switched environment where the data is stored on an IBM TotalStorage Enterprise Storage Server, LUNs have an affinity to the host server's Fibre Channel host bus adapters via

A. WWPN

B. WWNN

C. F_Port or FL_Port

D. Fibre Channel Port

Answer: A

6. A customer has an IBM TotalStorage SAN Volume Controller (SVC). The company's storage administrator created all Managed Disk Groups with an extent size of 64 MB. What is the maximum storage capacity for the SVC cluster?

A. 64 TB

B. 128 TB

C. 256 TB

D. 512 TB

Answer: C

7. A customer's enterprise has various systems and storage technologies and applications installed. Customer executives, end-user divisions, and I/T support have attended an IBM sponsored e-business on demand briefing. Vendors have been asked to do a customer presentation and each has been provided one hour. What should IBM present to provide direction during the scheduled time?

A. IBM TotalStorage Open Software Family

B. IBM TotalStorage SAN File System

C. IBM Tivoli Offerings

D. IGS Outsourcing options

Answer: A

8. The primary power redundancy for the IBM TotalStorage SAN Volume Controller (SVC) is provided by

A. one external UPS included with the SVC hardware

B. two external UPSs included with the SVC hardware

C. the customer's existing power infrastructure

D. the redundant power supplies of the nodes

Answer: B

9. Which of the following situations would be a good IBM TotalStorage networking implementation opportunity?

A. The customer has elected not to use IBM Tivoli Storage Manager for Managed SAN.

- B. The customer is experiencing explosive disk storage growth.
- C. The customer's direct-attached storage subsystem capacity must be increased
- D. The customer's direct attached tape drives throughput is inadequate.

Answer: D

10. A customer with ten Microsoft Windows 2000 servers is concerned that the current environment is not protected from disaster. All of the following elements of a SAN solution would provide disaster protection at the primary site EXCEPT :

- A. Create a collocation site using host-based mirroring
- B. Implement IBM Tivoli Storage Manager with a bare machine recovery product
- C. Implement IBM Tivoli Storage Manager with Disaster Recovery Manager
- D. Install XRC on an IBM TotalStorage Enterprise Storage Server

Answer: D

11. The Vdisks in an IBM TotalStorage SAN Volume Controller need to be expanded to allow for application consolidation. If the application data is in use, which TWO of the following native host operating systems can manage the Vdisk expansion?

- A. SUN and HP-UX
- B. SUN and W2K
- C. AIX and W2K
- D. HP-UX and AIX

Answer: C

12. Which of the following communication methods is used by the IBM Tivoli SAN Manager to perform problem determination over a SAN?

- I. In Band
 - II. Out of Band
 - III. Infiniband
- A. I only
 - B. III only
 - C. I and II only
 - D. II and III only

Answer: C

13. A hospital needs to handle tremendous amounts of large digital imaging files. All of the following questions are important to this storage networking situation EXCEPT :

- A. What is the data type?
- B. How many users access the data simultaneously?
- C. Which types of servers are accessing the data?

D. How often is data accessed?

Answer: A

14. On an IBM TotalStorage SAN Volume Controller (SVC) cluster with four nodes, there is a software code upgrade running. The first two nodes are successfully upgraded. On the third node, an error occurred while upgrading. Which of the following best describes what will happen in this situation?

- A. The whole cluster will be stopped.
- B. The upgrade will be stopped, and the first two nodes will be at a higher code level than other nodes at a lower level.
- C. All nodes with upgraded code level will work; other nodes will be offline.
- D. All nodes will be downgraded to original code level.

Answer: D

15. Which of the following options CANNOT be used to address future scalability demands of IBM TotalStorage SAN Volume Controller (SVC)?

- A. Implement additional SVC clusters.
- B. Add more storage devices.
- C. Add more HBAs to the SVC nodes.
- D. Add more HBAs on the hosts connected to the SVC.

Answer: C

16. In a Brocade Fibre Channel switch environment residing in a configuration where both production and test data coexist, the simplest method for ensuring that the two types of data do not flow through the same port is

- A. zoning
- B. LUN Masking
- C. VSAN
- D. segmenting

Answer: A

17. Which of the following is NOT addressed by the IBM virtualization solutions?

- A. Common interfaces for storage management
- B. File sharing between heterogeneous operating systems
- C. Policy based storage management
- D. Need for data backup

Answer: D

18. A customer has five Oracle servers with 500 GB of data in "RAW" devices. All of the following solutions could be used EXCEPT

- A. iSCSI

- B. Direct Attached Storage
- C. Network Attached Storage
- D. Storage Area Network

Answer: C

19. A customer is currently utilizing IBM Tivoli Storage Manager (TSM) to back up clients across a LAN. The customer wants to continue using TSM but needs to decrease the disruption to the applications during backup. Which of the following solutions would achieve the customer's objective?

- A. A NAS with IBM Tivoli Storage Resource Manager V2
- B. A SAN with IBM Tivoli Storage Resource Manager V2
- C. A NAS with IBM Tivoli Storage Manager V5.2
- D. A SAN with IBM Tivoli Storage Manager V5.2

Answer: D

20. What is the maximum theoretical data throughput on the transmit signal of a single IBM TotalStorage Enterprise Storage Server Model 800 Fibre Channel adapter?

- A. 80-120 MB/sec
- B. 120-160 MB/sec
- C. 160-200 MB/sec
- D. 200-240 MB/sec

Answer: C

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