



EMC E20-001

EMC Storage Technology Foundations

Q&A Demo

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1. What is the role of a bus?

- A. Control point for all host activities and resources
- B. Device for storing data
- C. High speed interconnect between CPU, memory, and disks
- D. Temporary location for commands and data

Answer: C

2. Which statement accurately describes parity-based RAID?

- A. Parity is read each time a read is performed
- B. Parity is updated only when a full stripe is read
- C. Parity is updated each time a write is performed
- D. Parity is updated only when writes fill a stripe

Answer: C

3. Which EMC Celerra component allows management of volumes and filesystems?

- A. Control Station
- B. Data Mover
- C. Disk Array Enclosure
- D. Storage Processor

Answer: A

4. Many FCAL nodes are attempting to simultaneously send I/O to a storage array. How is control of the loop determined?

- A. Hub bypass circuit
- B. Hub name service
- C. Node that owns the token
- D. Node with the highest priority

Answer: D

5. Which statement describes the iSCSI protocol?

- A. ATA over SCSI

- B.IP over SCSI
- C.SCSI over ATA
- D.SCSI over IP

Answer: D

6. Click the Exhibit button.

Sorry, Missing the Exhibit

Based on the exhibit, which type of backup topology is shown?

- A.Direct
- B.LAN
- C.SAN
- D.Mixed

Answer: D

7. Which local replication technology does EMC TimeFinder/Mirror implement?

- A.Copy on First Access
- B.Copy on First Write
- C.Full Volume Mirroring
- D.Pointer based

Answer: C

8. What is a remote replication solution for EMC CLARiiON storage systems?

- A.EMC MirrorView/A
- B.EMC SnapView
- C.EMC SRDF/AR
- D.EMC TimeFinder

Answer: A

9. What is monitored as part of a SAN health check?

- A.Disk status
- B.Fan-in/Fan-out ratio

C.ISL utilization

D.Port status change

Answer: D

10. Which two mechanisms can be used to address threats of user privilege elevation?

A.Access Control Lists (ACLs) and access control to storage objects

B.Access control to storage objects and storage access monitoring

C.User authentication and Information Rights Management (IRM)

D.User authentication and user authorization

Answer: D

11. What are the five core elements of a data center infrastructure?

A.Applications, Databases, JBOD, Networks, Storage Arrays

B.Applications, Databases, Servers/Operating Systems, DAS, NAS

C.Applications, Databases, Servers/Operating Systems, Networks, Storage Arrays

D.Applications, Databases, Servers/Operating Systems, SAN, JBOD

Answer: B

12. In an EMC Symmetrix array, which component provides physical connectivity to hosts?

A.Back-end adapter

B.Cache

C.Front-end adapter

D.Storage Processor

Answer: A

13. Why would you implement an iSCSI solution?

A.All storage arrays supply GigE ports

B.Block storage over IP is much faster than FC

C.iSCSI HBAs are inexpensive

D.Leverages existing IP network infrastructure

Answer: B

14. What is the correct order of operations for array-based synchronous replication?

- A. Write is received by the source array from host/server
- B. Remote array sends acknowledgement to the source array
- C. Source array signals write complete to host/server
- D. Write is transmitted by source array to the remote array

A.A, B, C, D

B.A, D, B, C

C.C, D, B, A

D.D, C, B, A

Answer: A

15. Which management task eliminates single points of failure in a data center?

- A.Availability
- B.Capacity
- C.Performance
- D.Security

Answer: B

16. What is a server capacity management task?

- A.Establishing user quotas
- B.Installing multi-path software
- C.Maintaining user logins
- D.Monitoring faults and events

Answer: C

17. A LUN is created from three disks using one partition from each of the disks. When this LUN is presented to the host, how does the host view this LUN?

- A.As three separate partitions
- B.As a striped partition
- C.As a concatenated partition
- D.As a single disk

Answer: C

18. Which failure does RAID technology guard against?

- A.Disk failure
- B.Host Bus Adapter failures
- C.Host failures
- D.Switch failure

Answer: C

19. What is the name of the drive sub-assembly containing the platters and read/write heads?

- A.ATA
- B.SATA
- C.HDA
- D.IDE

Answer: B

20. What is the role of the back-end in an intelligent disk system?

- A.To communicate between Tag RAM and data store
- B.To communicate between the host and the storage system
- C.To move data between the host and the array cache
- D.To move data between the array cache and the disks

Answer: C