



**Exam : EMC E20-001**

**Title : EMC Storage Technology  
Foundations**

**Update : Demo**

1. Data is being replicated from site A to site B using disk buffering to create extended distance consistent point in time copies every hour. In the event of a site failure at A, what is the maximum amount of data that will be missing at site B?

- A. 1 hour
- B. 2 hours
- C. 3 hours
- D. 4 hours

Answer: B

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

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

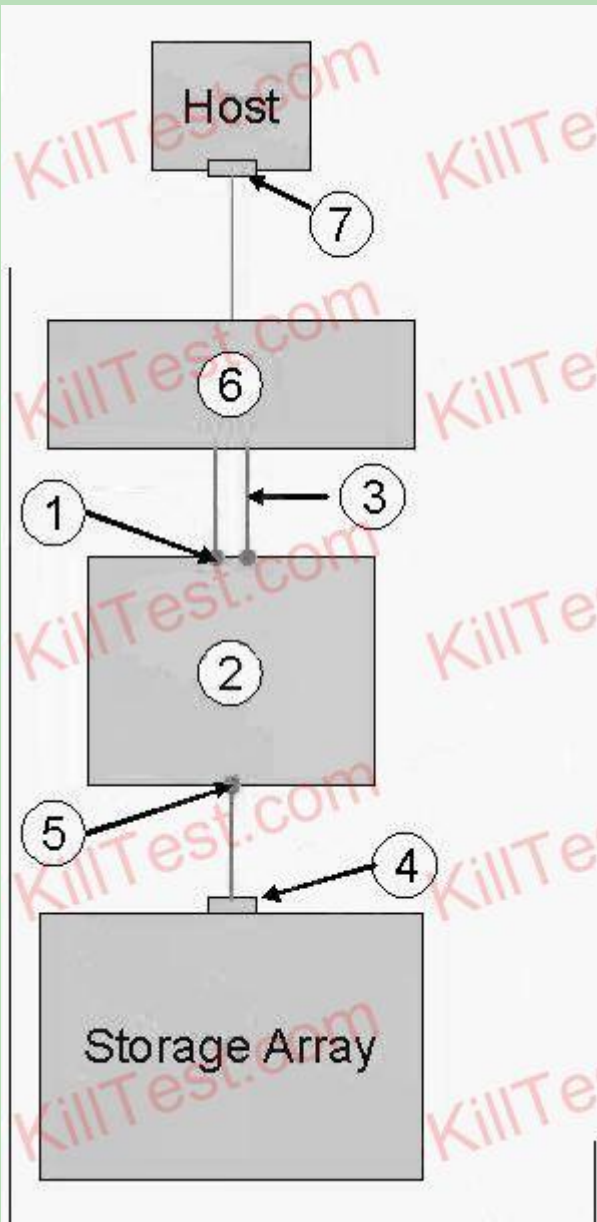
Answer: A

3. Which represents a common implementation of a storage network with limited scalability?

- A. CSMA/CD
- B. Fibre Channel Arbitrated Loop
- C. Store and Forward
- D. Switched Fabric

Answer: B

4. Click on the Exhibit button. Identify the E Port and Edge switch in the SAN Core/Edge exhibit.



- A. 1 and 6
- B. 4 and 5
- C. 7 and 5
- D. 6 and 3

Answer: A

5. What is the process that writes physical address information to a disk?

- A. Concatenating
- B. Formatting

C. Partitioning

D. Striping

Answer: B

6. The Recovery Point Objective (RPO) of a company is 4 hours. Which statement is true in the event of a disaster?

A. Must be able to restart their network within 4 hours

B. Must be able to restart their servers within 4 hours

C. Must be able to resume production within 4 hours

D. No more than 4 hours of production data can be lost

Answer: D

7. Which technology is designed for storage of fixed content data?

A. CAS

B. DAS

C. NAS

D. SAN

Answer: A

8. In SAN, if the primary concern is cabling flexibility, what method of zoning should be employed?

A. Hard Zoning

B. Mixed Zoning

C. Port Zoning

D. WWN Zoning

Answer: D

9. A disk has Cylinder Head Sector (CHS) values of 1000, 4 and 25. What address range will be used for the Logical Block Address (LBA) values for this disk?

A. 0 - 49,999

- B. 0 - 99,999
- C. 1 - 50,000
- D. 1 - 100,000

Answer: B

10. Which key requirement of the Data Center infrastructure addresses the concern of data on storage systems being accessible 24X7?

- A. Availability
- B. Manageability
- C. Performance
- D. Scalability

Answer: A

11. What is the protocol used by a Windows client to communicate with a NAS device?

- A. CIFS
- B. FCP
- C. NFS
- D. SCSI

Answer: A

12. What are two parts of cache?

- A. Bitmap store and dirty store
- B. Data store and bitmap store
- C. Data store and tag RAM
- D. Tag RAM and dirty store

Answer: C

13. Which Data Center element stores customer and product information when the server is connected to an array?

- A. Application

- B. Database
- C. Server
- D. Storage Array

Answer: B

14. What do you monitor as part of server performance?

- A. Filesystem utilization
- B. HBA status
- C. Memory utilization
- D. Power supply status

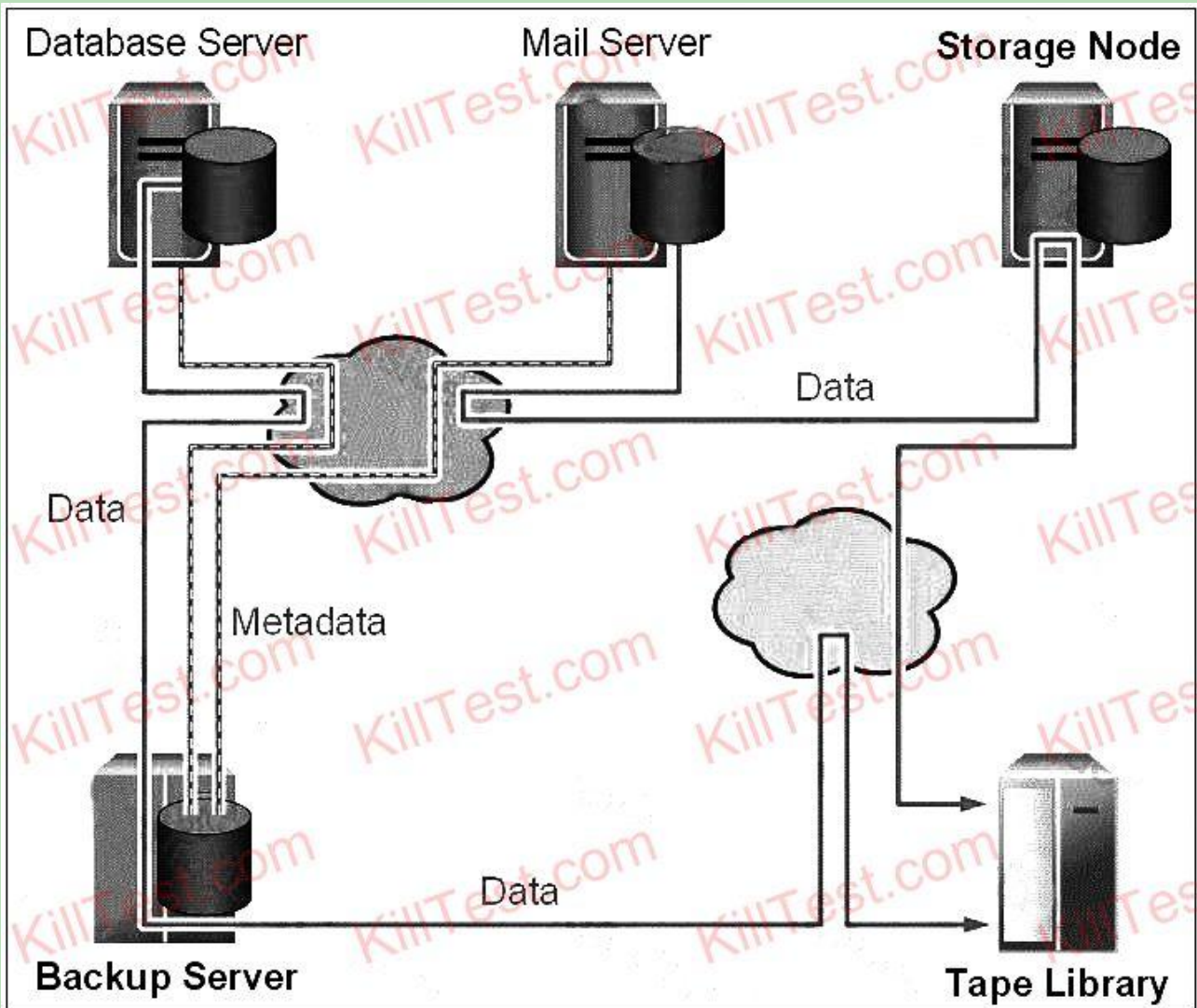
Answer: C

15. What is the name of the drive subassembly containing the platters and RW heads?

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

Answer: C

16. Click on the Exhibit button. Which type of backup topology is shown in the exhibit?



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

Answer: D

17. What is a set of CLARiiON disks used to provide storage space to a host?

- A. Disk Array Enclosure
- B. Disk Processor Enclosure
- C. Logical Unit Number
- D. RAID Group

Answer: D

18. What are replicated in storage array based remote replication?

- A. I/Os to source devices
- B. Reads from source devices
- C. Writes to source devices
- D. Writes to target devices

Answer: C

19. An application uses ten 9 GB devices. A full volume local replica of the application is required every 6 hours. Each replica will be kept for 24 hours. How many replica devices are required?

- A. 50
- B. 10
- C. 30
- D. 40

Answer: D

20. What best describes a Fibre Channel SAN?

- A. Dedicated storage network
- B. Global interconnectivity network
- C. Multi-protocol storage network
- D. Multipurpose system network

Answer: A

21. Which storage method will make data most accessible?

- A. Jukebox
- B. Magnetic Disk
- C. Optical disk
- D. Tape



Answer: B

22. What is a feature of Internal DAS?

- A. File level I/O utilization
- B. High CPU I/O utilization
- C. Local storage provisioning
- D. Simultaneous volume level operating system accessibility

Answer: C

23. Which aspect of monitoring will allow you to predict the possible failure of FC Switch ports before the ports actually fail?

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

Answer: C

24. What are the three key data center management activities that are interdependent?

- A. Installation, Configuration, Problem Solving
- B. Manageability, Integrity, Cost
- C. Provisioning, Monitoring, Reporting
- D. Scalability, Accessibility, Security

Answer: C

25. What is host memory?

- A. Connection for parallel communication devices
- B. Control point for all host activities and resources
- C. High speed interconnect between the CPU and memory
- D. Temporary location for commands and data

Answer: D

26. Which remote replication method is most affected by the distance between source and target?

- A. Asynchronous
- B. Disk buffering
- C. Log shipping
- D. Synchronous

Answer: D

27. Which Celerra component is used to manage and configure the NAS solution?

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

Answer: A

28. When is it necessary to hold application I/O to ensure a consistent copy?

- A. Just after creating a point in time replica
- B. Just before creating a point in time replica
- C. Only when an application spans multiple hosts
- D. Only when an application spans multiple storage arrays

Answer: B

29. Which statement is true about iSCSI names?

- A. Every initiator or target has a unique iSCSI name
- B. iSCSI name is derived from the IP address
- C. Only a target requires an iSCSI name
- D. Only an initiator requires an iSCSI name

Answer: A

30. What is a standard layer that resides between managed objects and management software?

- A. CIFS
- B. FC-SW
- C. HDA
- D. SMI-S

Answer: D



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