



E10-001^{Q&As}

Information Storage and Management Exam Version 2

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QUESTION 1

What keeps the name server up-to-date on all switches in a fabric?

- A. SW-RSCN
- B. Management server
- C. Zoning
- D. FLOGI

Correct Answer: A

QUESTION 2

Which storage system is designed for storing fixed content?

- A. Content addressed storage
- B. Block-based storage
- C. File-based storage
- D. Hierarchy-based storage

Correct Answer: A

QUESTION 3

What is a characteristic of asynchronous remote replication?

- A. Replica will be behind the source by at least the size of the buffer
- B. A near-zero RPO disaster recovery solution
- C. Write must be committed at the target before being acknowledged as complete
- D. Deployed only for distances within 200 km between two sites

Correct Answer: A

Asynchronous remote replication



- A write is committed to the source and immediately acknowledged to the host
- Data is buffered at the source and transmitted to the remote site later
- Finite RPO
 - ▶ Replica will be behind the source by a finite amount



In asynchronous remote replication, a write is committed to the source and immediately acknowledged to the host. In this mode, data is buffered at the source and transmitted to the remote site later. Data at the remote site will be behind the source by at least the size of the buffer. Hence, asynchronous remote replication provides a finite (nonzero) RPO disaster recovery solution. EMC E10-001 Student Resource Guide. Module 12: Remote Replication

QUESTION 4

An organization plans to deploy a new business application in their environment. The new application requires 2 TB of storage space. During peak workloads, the application is expected to generate 9,800 IOPS with a typical I/O size of 4 KB. Because the application is business-critical, the response time must be within acceptable range.

The available disk drive option is a 15,000 rpm drive with 100 GB capacity. The number of IOPS in which the disk drive can perform at 100 percent utilization is 140.

What is the number of disk drives needed to meet the application's capacity and performance requirements?

- A. 20
- B. 60
- C. 70
- D. 100

Correct Answer: D

QUESTION 5

Which data protection technology provides the highest degree of protection against logical corruption and a near-zero RPO?

- A. CDP
- B. Mirroring
- C. Backup-to-disk



D. Snapshots with CoFW

Correct Answer: A

Continuous Data Protection In network-based replication, the replication occurs at the network layer between the hosts and storage arrays. Network-based replication combines the benefits of array-based and host-based replications. By offloading replication from servers and arrays, network-based replication can work across a large number of server platforms and storage arrays, making it ideal for highly heterogeneous environments. Continuous data protection (CDP) is a technology used for network-based local and remote replications. In a data center environment, mission-critical applications often require instant and unlimited data recovery points. Traditional data protection technologies offer limited recovery points. If data loss occurs, the system can be rolled back only to the last available recovery point. Mirroring offers continuous replication; however, if logical corruption occurs to the production data, the error might propagate to the mirror, which makes the replica unusable. In normal operation, CDP provides the ability to restore data to any previous PIT. It enables this capability by tracking all the changes to the production devices and maintaining consistent point-in-time images.

In CDP, data changes are continuously captured and stored in a separate location from the primary storage. Moreover, RPOs are random and do not need to be defined in advance.

With CDP, recovery from data corruption poses no problem because it allows going back to a PIT image prior to the data corruption incident. EMC E10-001 Student Resource Guide. Module 11: Local Replication

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