



S10-210^{Q&As}

Storage Networking Management and Administration

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**QUESTION 1**

Your company uses a cryptographic key system to encrypt tapes. After several years of use and thousands of tapes shipped to off-site locations, an IT audit reveals that encryption keys have been inadvertently stored as ciphertext on file shares to which everyone in the company has read permissions. Which response reflects industry best practice?

- A. All data encrypted with the keys exposed as ciphertext should be considered safe.
- B. All data encrypted with the keys exposed as ciphertext and not yet sent off-site as an encrypted tape should be re-keyed (decrypted and re-encrypted using a new key).
- C. All data encrypted with the keys exposed as ciphertext should be re-keyed (decrypted and re-encrypted using a new key).
- D. All data encrypted with the keys exposed as ciphertext should be considered safe as ciphertext is very difficult to use.

Correct Answer: C

QUESTION 2

You are asked to secure 2.5 PB of data so that in case of a failed drive replacement, data on the drives is not usable.

Which data protection method should be used in this case?

- A. Encrypting data-in-flight
- B. Encrypting data-at-rest
- C. Password protect each file
- D. Use file permissions

Correct Answer: B

QUESTION 3

When troubleshooting an issue on a host, you discover that the existing file system partition has been corrupted after you provisioned a LUN to another host connected to the same FC fabric.

What is the cause of this problem?

- A. Incorrect zoning
- B. Incorrect LUN masking
- C. Incorrect multipathing policy
- D. Incorrect LUN size

Correct Answer: B

**QUESTION 4**

The system administrator has received complaints about the decreased performance of two LUNs. When you investigate the port being used to connect to the LUNs, you discover that the port has achieved its maximum throughput. You also discover that there are other ports available on the storage array that are not oversubscribed.

Which specific driver is needed to balance workloads between the host and storage?

- A. SCSI driver
- B. TCP/IP driver
- C. Failover driver
- D. Multi-path driver

Correct Answer: D

QUESTION 5

You have received an emergency call from the night shift after they attempted to merge three small SANs in the engineering department. Once completed, all devices in SANs A and B communicate with one another but SAN C could not communicate with either of the other SANs because the fabric has become segmented.

Which statement is correct?

- A. The port is isolated until a fabric rebuild occurs,
- B. The port is isolated until a fabric re-configuration occurs.
- C. The system administrator must manually correct the issue that caused segmentation (port isolation) and then start the Build Fabric (BF) process.
- D. The system administrator must manually correct the issue that caused port isolation (segmentation) and then start the Reconfiguration Fabric (RCF) process.

Correct Answer: D

QUESTION 6

You are asked to secure management access to your SAN devices.

Which three actions should you perform? (Choose three.)

- A. Disable all unused protocols.
- B. Limit network access.
- C. Create individual access accounts.
- D. Write to the syslog server.



E. Enable NTP synchronization.

Correct Answer: ABC

QUESTION 7

Which process allows for the reduction of disk space consumption on a shared storage of OS images used by 200 users?

- A. Thin provisioning
- B. Deduplication
- C. Synchronous replication
- D. Defragmentation

Correct Answer: B

QUESTION 8

You are performing an FC switch replacement and you want to ensure that no hosts will be disconnected from its storage.

Which multipathing software feature, on a server, must be supported and configured for a server to continue to have access to the fabric attached storage in this scenario?

- A. Active-passive
- B. Path failover
- C. Round-robin
- D. Standby

Correct Answer: B

QUESTION 9

Which protocol commonly uses CNA devices?

- A. FCIP
- B. iFCP
- C. FCoE
- D. FCR



Correct Answer: C

QUESTION 10

You have been hired as a consultant to help resolve boot-from-SAN server reboots. The company has hosts, storage devices, and tape drives in the same zones. A large number of RSCNs are generated during the backup window.

What is the cause of the problem?

- A. Tape drives are more sensitive to RSCNs than hosts or disk storage devices.
- B. Storage devices and tape drives are configured within the same zone.
- C. Storage devices are more sensitive to RSCNs than hosts or tape storage devices.
- D. Most SAN switches do not support having both disk and tape frames flowing over the same switch ports at the same time.

Correct Answer: B

QUESTION 11

A customer has upgraded all switches in their redundant fabrics during a single maintenance window. Shortly after the upgrades are completed on the core switches, all servers lose access to all SAN attached storage.

What would have prevented this scenario?

- A. High availability
- B. Fault tolerance
- C. Change or risk management
- D. Clustered servers

Correct Answer: C

QUESTION 12

A SAN environment with zones containing a large number of members is experiencing hosts randomly, losing connectivity to SAN-attached storage resources. You have been asked by the customer to address this situation.

Which action should you implement to resolve this issue?

- A. Edit the host definitions used for LUN masking on the storage systems.
- B. Implement persistent binding on the storage LUNs.
- C. Reconfigure each fabric's zone set for single-initiator zones.
- D. Remove all zones between the primary and DR data centers.



Correct Answer: C

QUESTION 13

You are using asynchronous storage replication to protect your critical database server. There are no replication agents installed on the database server. After a disaster, you are unable to bring up the database at the DR site.

What is the cause?

- A. The database requires replication from a second storage array.
- B. The database requires synchronous storage replication.
- C. Two copies of databases are required at the DR site to be able to replay transaction logs.
- D. An installed agent is required for the database to be quiesce and replicated in crash-consistent state.

Correct Answer: D

QUESTION 14

A server has lost half of its paths to its LUN on a storage system. The help desk determines that one of the two HBAs was just replaced. The SAN administrator has modified the zoning with the new WWPN of the replacement HBA port, but the missing paths have still not recovered.

Which action would you perform next?

- A. Rescan disks on the server.
- B. Reconfigure persistent binding on the server.
- C. Reboot the server.
- D. Modify the host definitions for LUN masking on the storage system.

Correct Answer: D

QUESTION 15

You are installing an OLTP application on a new server. The I/O profile of the application consists of 100% random read operations of 8 kilobyte transfers. You need to determine which HBA to use in your application to accommodate 50,000 IOPS.

What is the minimum FC link speed that will satisfy the application's requirements?

- A. 1 Gbps
- B. 2 Gbps
- C. 4 Gbps



D. 8 Gbps

Correct Answer: C

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