

E10-001^{Q&As}

Information Storage and Management Exam Version 2

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QUESTION 1

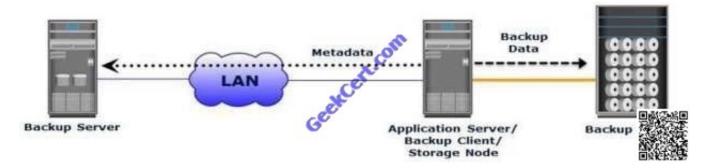
What is a remote replication solution for EMC CLARiiON storage systems?

- A. Mirror View/A
- B. Snap View
- C. SRDF/AR
- D. TimeFinder

Correct Answer: A

QUESTION 2

Refer to the exhibit.



Which backup topology does the exhibit represent?

- A. Direct-attached backup
- B. LAN-based backup
- C. Server-less backup
- D. NDMP-based backup

Correct Answer: A

QUESTION 3

What is a characteristic of an FC-SW implementation?

- A. Provides a dedicated path between nodes
- B. Nodes arbitrate to gain control of the data path to transfer data
- C. Only one node can perform an I/O operation at a time



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D. Supports up to 126 nodes

Correct Answer: A

QUESTION 4

How can an organization reduce vulnerabilities in their environment?

- A. Minimize the attack surface and maximize the work factor
- B. Maximize the attack surface and minimize the work factor
- C. Minimize both the attack surface and work factor
- D. Maximize both the attack surface and work factor

Correct Answer: A

Vulnerabilities The paths that provide access to information are vulnerable to potential attacks. Each of the paths may contain various access points, which provide different levels of access to the storage resources. It is important to implement adequate security controls at all the access points on an access path. Implementing security controls at each access point of every access path is known as defense in depth. Defense in depth recommends using multiple security measures to reduce the risk of security threats if one component of the protection is compromised. It is also known as a "layered approach to security". Because there are multiple measures for security at different levels and defense in depth gives additional time to detect and respond to an attack. This can reduce the scope or impact of a security breach.

Attack surface, attack vector, and work factor are the three factors to consider when assessing the extent to which an environment is vulnerable to security threats. Attack surface refers to the various entry points that an attacker can use to launch an attack. Each component of a storage network is a source of potential vulnerability. An attacker can use all the external interfaces supported by that component, such as the hardware and the management interfaces, to execute various attacks. These interfaces form the attack surface for the attacker. Even unused network services, if enabled, can become a part of the attack surface.

An attack vector is a step or a series of steps necessary to complete an attack. For example, an attacker might exploit a bug in the management interface to execute a snoop attack whereby the attacker can modify the configuration of the storage device to allow the traffic to be accessed from one more host. This redirected traffic can be used to snoop the data in transit. Work factor refers to the amount of time and effort required to exploit an attack vector. For example, if attackers attempt to retrieve sensitive information, they consider the time and effort that would be required for executing an attack on a database. This may include determining privileged accounts, determining the database schema, and writing SQL queries. Instead, based on the work factor, they may consider a less effort-intensive way to exploit the storage array by attaching to it directly and reading from the raw disk blocks.

EMC E10-001 Student Resource Guide. Module 14: Securing the Storage Infrastructure

QUESTION 5

What is one way that iSCSI initiators can discover their targets?

- A. Using a Storage Name Service
- B. Using a common Internet file system
- C. Using an Internet Storage Name Service



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D. Using a Domain Name Service

Correct Answer: C

iSCSI Discovery

An initiator must discover the location of its targets on the network and the names of the targets available to it before it can establish a session. This discovery can take place in two ways:

SendTargets discovery or internet Storage Name Service (iSNS). In SendTargets discovery, the initiator is manually configured with the target\\'s network portal to establish a discovery session. The initiator issues the SendTargets command.

and the target network portal responds with the required parameters of the targets available to the host.

iSNS enables automatic discovery of iSCSI devices on an IP network. The initiators and targets can be configured to automatically register themselves with the iSNS server. Whenever an initiator wants to know the targets that it can access, it

can query the iSNS server for a list of available targets. EMC E10-001 Student Resource Guide. Module 6: IP SAN and FCoE

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