



**Vendor:** Dell-EMC

**Exam Code:** D-ISM-FN-01

**Exam Name:** Dell Technologies Information Storage and  
Management Foundations 2023

**Version:** DEMO

#### QUESTION 1

What information is available in a capacity planning report for storage infrastructure?

- A. number of units of storage available, used and the cost
- B. current and historic information about the utilization of storage, file systems, and ports
- C. equipment purchase dates, licenses, lease status, and maintenance records
- D. current and historical performance information about IT components and operations

**Answer: B**

#### QUESTION 2

What accurately describes hypervisor-based continuous data protection?

- A. Virtual appliance is running on a hypervisor.
- B. Journal is stored in a virtual machine.
- C. Virtual appliance runs on a storage system.
- D. Replica volumes are created in the hypervisor.

**Answer: A**

#### QUESTION 3

An organization is planning to secure the connection between the data center and cloud while performing data backup and replication.

Which security control mechanism will help organization to achieve the desired security?

- A. Identity and Access management
- B. Intrusion Detection and Prevention
- C. Firewall
- D. Virtual Private Network

**Answer: D**

#### QUESTION 4

An organization plans to deploy a new application in their environment. The new application requires 2 TB of storage space. During peak workloads, the application is expected to generate 9800 IOPS with a typical I/O size of 4 KB.

The capacity of each available disk drive is 250 GB. The maximum number of IOPS a drive can perform at with 70 percent utilization is 90 IOPS.

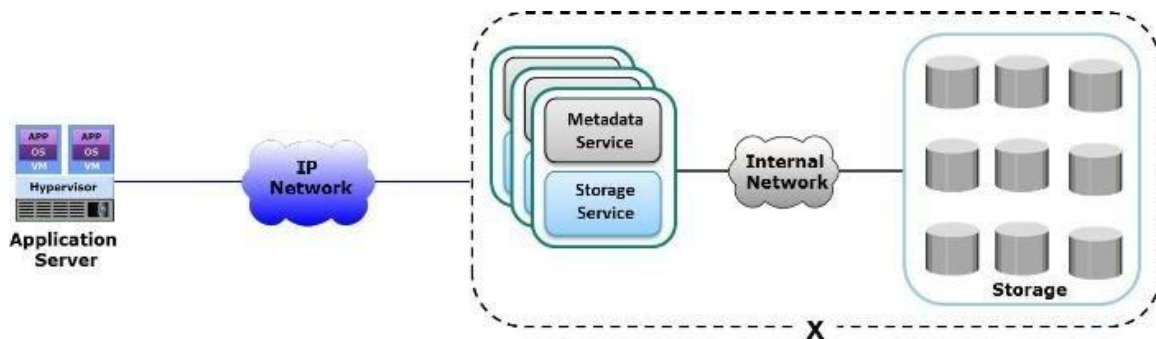
What is the minimum number of disk drives needed to meet the application's capacity and performance requirements given a RAID 0 configuration?

- A. 8
- B. 70
- C. 110
- D. 140

**Answer: C**

#### QUESTION 5

Which type of storage device does the "X" represent in the exhibit?



- A. Object-based
- B. Block-based
- C. File-based
- D. Unified-based

**Answer: A**

#### QUESTION 6

What are the essential components of an object in an object-based storage system?

- A. File path, object ID, data, and filename
- B. Object ID, metadata, file path, and LUN ID
- C. Data, user-defined attributes, metadata, and object ID
- D. LUN ID, data, object ID, and user-defined attributes

**Answer: C**

#### QUESTION 7

Which fabric service distributes SW-RSCNs to the other switches in a Fibre Channel SAN?

- A. Fabric controller
- B. Fabric login server
- C. Name server
- D. Fabric management server

**Answer: A**

#### QUESTION 8

What accurately describes an attack surface in an IT infrastructure?

- A. Various entry points that can be used to launch an attack
- B. Series of steps that must be followed in order to complete an attack
- C. Amount of effort required to exploit a vulnerability in the infrastructure
- D. Process of identifying the system components under attack

**Answer: A**

**QUESTION 9**

Which compute system component enables dynamic extension of file system capacity and efficient storage management?

- A. Logical Unit Number
- B. Logical Unit Number Masking
- C. Logical Volume Manager
- D. Virtual Memory Manager

**Answer: C**

**QUESTION 10**

What is an advantage of performing incremental backups compared to cumulative backups for the same data?

- A. Requires more time to perform data backup
- B. Storage capacity needed for backups is significantly reduced
- C. Requires more storage capacity for backup
- D. Reduces restore time but requires a maximum of two copies

**Answer: B**

**QUESTION 11**

Which capability is provided by software-defined networking?

- A. Ability to combine both data plane and control plane functions on a single physical network component
- B. A single control point to the entire network infrastructure enabling policy-based network management
- C. Ability to automatically create application programming interfaces for centralized management
- D. A single self-contained package with integrated hardware and software components

**Answer: B**

**QUESTION 12**

Which data center characteristic ensures that data is stored and retrieved exactly as it was received?

- A. Data integrity
- B. Security
- C. Scalability
- D. Manageability

**Answer: A**

**QUESTION 13**

What specialized replication technique enables moving data between storage systems within a data center, between data centers, and between the data center and the cloud?

- A. Data deduplication
- B. Data migration
- C. Data backup
- D. Data archiving

**Answer: B**

**QUESTION 14**

Which Dell EMC product provides a software-defined platform that supports both block and file storage services?

- A. XtremIO
- B. PowerMax
- C. FAST VP
- D. VPLEX

**Answer: B**

**QUESTION 15**

A company is using an intrusion detection and prevention system (IDPS) to scan and analyze intrusion events.

Which IDPS technique uses a database that contains known attack patterns?

- A. Role-based
- B. Profile-based
- C. Signature-based
- D. Anomaly-based

**Answer: C**

**QUESTION 16**

Which data protection solution provides the ability to select a backup technology based on demand?

- A. Agent-Based backup
- B. Cloud-Based backup
- C. File-Based backup
- D. Image-Based backup

**Answer: B**

**QUESTION 17**

Which layer of the OSI model provides the functional and procedural methods to transfer data between network entities?

- A. Data link
- B. Presentation
- C. Session

D. Application

**Answer: A**

**QUESTION 18**

Which cloud service model provides the highest level of control over operating systems, applications, and storage?

- A. Platform as a Service (PaaS)
- B. Software as a Service (SaaS)
- C. Infrastructure as a Service (IaaS)
- D. Function as a Service (FaaS)

**Answer: C**

**QUESTION 19**

What is a characteristic of an FC-AL implementation?

- A. Devices can be added and removed dynamically without any impact
- B. Supports connectivity up to 15 million nodes
- C. Requires at least one connectivity device
- D. Reserves one address for connecting an FC-SW port

**Answer: D**

**QUESTION 20**

In a NAS environment, which file system provides a public or open variation of the Server Message Block (SMB) protocol and uses the TCP/IP protocol?

- A. Hadoop Distributed File System (HDFS)
- B. New Technology File System (NTFS)
- C. Common Internet File System (CIFS)
- D. Network File System (NFS)

**Answer: C**

**QUESTION 21**

What is the purpose of monitoring capacity in a storage infrastructure?

- A. Tracking the amount of storage infrastructure resources used and available
- B. Evaluating utilization of components and identifying bottlenecks
- C. Tracking configuration changes to the storage infrastructure elements
- D. Identifying component failures that may lead to service unavailability

**Answer: A**

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