



DEA-1TT4^{Q&As}

Information Storage and Management v4 exam

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**QUESTION 1****DRAG DROP**

Match the functionality of a security goal with its description.

Select and Place:

Functionality	Description
Authorization	User proves identity to the provider in order to access the stored data
Authentication	Recording all transactions for the purpose of assessing the effectiveness of the security controls
Accountability	Determining the privileges that a user has to access a particular service
Auditing	Users are responsible for the actions that are performed on the systems

Correct Answer:

Functionality	Description
	Authorization
	Auditing
	Authentication
	Accountability

QUESTION 2

What is an accurate statement about scale-out NAS?

- A. Creates a different file system for each node in the cluster
- B. Stripes data across nodes with mirror or parity protection
- C. Supports only data replication for protecting data
- D. Pools node resources in a cluster to work as multiple NAS devices

Correct Answer: B

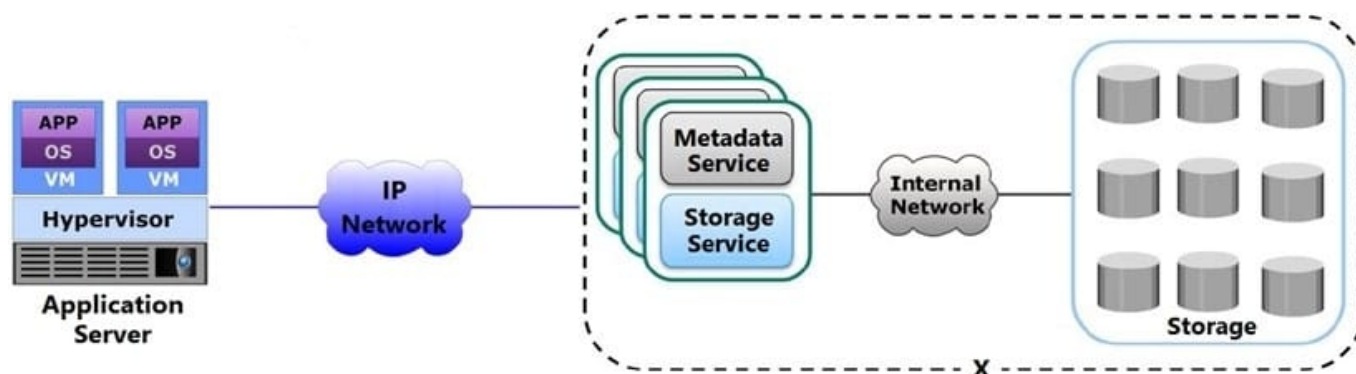
Reference: <https://www.mycloudwiki.com/san/nas-architecture/>

**QUESTION 3**

What accurately describes an Incident in a storage infrastructure?

- A. Unknown root cause of one or more disruptions to service.
- B. Any event that may lead to the disruption of a service.
- C. Support request to help access an IT resource.
- D. Any event that may create a change in correcting a known error.

Correct Answer: A

QUESTION 4

Based on the exhibit, which type of storage does the "X" represent?

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

Correct Answer: C

Reference: <https://www.itproportal.com/2014/06/05/5-object-storage-requirements-your-business-needs-to-consider/>

QUESTION 5

When using a bridged iSCSI connection, which components facilitate communication between gateways?

- A. Compute system with iSCSI ports and the storage system with Ethernet ports.
- B. Compute system with iSCSI ports and the storage system with only FC ports.



C. Compute system with FC HBA ports and the storage system with only FC ports.

D. Compute system with FCoE ports and the storage system with iSCSI ports.

Correct Answer: D

Reference: <https://www.mycloudwiki.com/san/iscsi-interfaces/>

QUESTION 6

Which file system uses only UNIX systems for a client-server application protocol and Remote Procedure Call (RPC) for file sharing?

A. New Technology File System (NTFS)

B. Common Internet File System (CIFS)

C. Hadoop Distributed File System (HDFS)

D. Network File System (NFS)

Correct Answer: D

Reference: <https://www.sciencedirect.com/topics/computer-science/network-file-system>

QUESTION 7

Which functionality is provided by a process login in a Fibre Channel (FC) SAN environment?

A. Exchanges service relevant parameters between an N_port and an N_port

B. Establishes a connection to the fabric between an N_port and an F_port

C. Exchange ULP-related parameters between two N_ports

D. Establishes a session that occurs between two E_ports

Correct Answer: A

Reference: <http://www.redbooks.ibm.com/abstracts/tips0035.html>

QUESTION 8

What is an accurate statement about a virtual SAN (VSAN)?

A. Events causing traffic disruptions in one VSAN are propagated to other VSANs

B. Nodes that are present in different VSANs should not have the same FC address

C. Every VSAN created on a physical SAN must have the same fabric configuration



D. Each VSAN has its own fabric services, configuration, and set of FC addresses

Correct Answer: D

Reference: <https://www.mycloudwiki.com/san/fc-san-virtualization/>

QUESTION 9

What is an accurate statement about variable prefetching?

- A. Many blocks that have recently been written to storage by the compute system are retrieved and placed in cache.
- B. Many non-contiguous blocks that are not currently required can be retrieved from cache in advance.
- C. Storage system prefetches data in multiples of the original I/O request size from the compute system.
- D. Storage system prefetches many non-contiguous blocks of data, with varied sizes, from cache.

Correct Answer: D

QUESTION 10

When using the erasure coding technique in an object-based storage system, data is divided into 12 data segments and 4 coding segments. What is the maximum number of disk drive failures against which data is protected by the configuration?

- A. 3
- B. 4
- C. 8
- D. 12

Correct Answer: A

QUESTION 11

A Fibre Channel switch has eight ports and all ports must be operational from 8 AM to 8 PM, Monday through Friday. However, a failure of Port 2 occurs on a particular week as follows: Monday = 10 AM to 12 PM

Wednesday = 4 PM to 9 PM

Thursday = 4 PM to 7 PM

Friday = 3 PM to 6 PM

Saturday = 9 AM to 1 PM

What is the availability of Port 2 in that week?



- A. 70%
- B. 71.6%
- C. 78.3%
- D. 80%

Correct Answer: A

QUESTION 12

Which file system uses a MapReduce framework to run applications and a NameNode for managing the file system?

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

Correct Answer: B

Reference: <https://searchdatamanagement.techtarget.com/definition/Hadoop-Distributed-File-System-HDFS>

QUESTION 13

Why is it important to deploy virtual machine (VM) storage migration in a data center environment?

- A. Enable efficient management of storage capacity across storage systems
- B. Improve the security of applications running inside VMs on the migrated storage system
- C. Reduce a company's overall storage system capacity requirements
- D. Enable VMs to continue functioning even if the source data is lost due to a failure

Correct Answer: A

QUESTION 14

What is a function of the metadata service in an object-based storage device (OSD)?

- A. Generates the file system namespace from the file contents.
- B. Manages both physical and logical disks on which the user data is stored.
- C. Manages the storage space for all remote clients.
- D. Maintains the object IDs and file system namespace mappings.



Correct Answer: D

QUESTION 15

Which technology decouples the OS, applications, and user state from a physical compute system?

- A. Application virtualization
- B. Storage virtualization
- C. Thin client virtualization
- D. Desktop virtualization

Correct Answer: D

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