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**Network-Appliance**

**NS0-163**

*NetApp Certified Data Administrator ONTAP Professional (NCDA23)*



**Question: 211**

Which NetApp technology provides automated, policy-based data tiering across different storage media?

- A. FlexCache
- B. FlexGroup
- C. FabricPool
- D. SnapLock

Answer: C

Explanation: FabricPool is a NetApp technology that provides automated, policy-based data tiering across different storage media. It allows organizations to optimize storage costs by moving less frequently accessed data to lower-cost media, such as object storage or the cloud.

**Question: 212**

Which NetApp ONTAP feature provides point-in-time copies of data for

backup, recovery, and other data management operations?

- A. FlexVol
- B. FlexClone
- C. Snapshot
- D. SnapMirror

Answer: C

Explanation: Snapshots are the NetApp ONTAP feature that provides point-in-time copies of data. Snapshots capture the state of a volume or a file system at a specific moment, allowing for quick and efficient data recovery, backup, and other data management operations. They provide a non-disruptive and space-efficient way to protect data.

### Question: 213

In NetApp ONTAP, what is the purpose of an Aggregate?

- A. To provide logical separation of storage resources within a cluster.
- B. To combine multiple physical disks into a single storage pool.
- C. To create a virtualized storage environment across multiple nodes.
- D. To facilitate data replication between different clusters.

Answer: B

Explanation: In NetApp ONTAP, an Aggregate is used to combine multiple physical disks into a single storage pool. It provides a way to aggregate the capacity and performance of multiple disks, allowing for efficient storage

management and utilization. Aggregates are then used to create volumes, which are exposed to clients for data storage and access.

**Question: 214**

Which NetApp ONTAP feature allows for the seamless and non-disruptive movement of data between different storage tiers within a cluster? (Choose the best answer.)

- A. Aggregate relocation
- B. Storage Virtual Machine (SVM) migration
- C. FabricPool
- D. MetroCluster

Answer: C

Explanation: FabricPool is the NetApp ONTAP feature that allows for the seamless and non-disruptive movement of data between different storage tiers within a cluster. FabricPool integrates with cloud storage providers, allowing cold or infrequently accessed data to be moved to lower-cost storage tiers such as object storage in the cloud while still appearing accessible within the cluster. Aggregate relocation is a process of redistributing data within aggregates, SVM migration involves moving SVMs between clusters, and MetroCluster is a high-availability solution for disaster recovery.

**Question: 215**

Which NetApp feature provides the ability to create point-in-time backups of volumes or LUNs for data protection and disaster recovery purposes?

- A. FlexClone
- B. SnapMirror
- C. SnapVault
- D. SnapRestore

Answer: C

Explanation: SnapVault is a NetApp feature that provides the ability to create point-in-time backups of volumes or LUNs for data protection and disaster recovery purposes. It enables efficient, incremental backups and long-term retention of data.

**Question: 216**

Which NetApp technology provides storage efficiency features such as compression, deduplication, and compaction? (Choose the best answer.)

- A. FlexVol
- B. FlexClone
- C. FlexGroup
- D. Data ONTAP

Answer: D

Explanation: Data ONTAP is the NetApp technology that provides storage efficiency features such as compression, deduplication, and compaction. These features help optimize storage utilization, reduce storage costs, and improve overall system performance.

**Question: 217**

Which NetApp technology provides synchronous replication of data between two geographically separate storage systems for disaster recovery purposes?

- A. Nondisruptive operations (NDO)
- B. MetroCluster
- C. SnapMirror
- D. FlexCache

Answer: B

Explanation: MetroCluster is a NetApp technology that provides synchronous replication of data between two geographically separate storage systems for disaster recovery purposes. It ensures data consistency and zero data loss in the event of a complete site failure.

**Question: 218**

Which NetApp ONTAP feature provides the ability to create point-in-time copies of volumes for backup and recovery purposes?

- A. SnapVault
- B. FlexClone
- C. SnapMirror
- D. Snapshot

Answer: D

Explanation: Snapshot is the NetApp ONTAP feature that provides the ability to create point-in-time copies of volumes for backup and recovery purposes. Snapshots capture the state of a volume at a specific point in time by recording the metadata and block-level changes. Snapshots are space-efficient and can be used to quickly restore data to a previous state.

### Question: 219

Which NetApp feature provides the ability to create a point-in-time copy of a volume or LUN for long-term data retention?

- A. FlexClone
- B. SnapMirror
- C. SnapVault
- D. SnapRestore

Answer: C

Explanation: SnapVault is a NetApp feature that provides the ability to create a

point-in-time copy of a volume or LUN for long-term data retention. It offers efficient, incremental backups and enables compliance with data retention policies.

**Question: 220**

Which two protocols are commonly used for data access in NetApp ONTAP?  
(Choose two.)

- A. NFS
- B. SMB
- C. iSCSI
- D. Fibre Channel

Answer: A, B

Explanation: NetApp ONTAP supports multiple data access protocols. NFS (Network File System) and SMB (Server Message Block) are two commonly used protocols for file-level access. They allow clients to access and share data stored on NetApp ONTAP systems. iSCSI and Fibre Channel, on the other hand, are block-level access protocols used for accessing storage volumes.

**Question: 221**

Which NetApp technology provides a unified storage platform that supports

both SAN and NAS protocols?

- A. FlexCache
- B. FlexGroup
- C. FAS (Fabric-Attached Storage)
- D. AFF (All-Flash FAS)

Answer: C

Explanation: FAS (Fabric-Attached Storage) is a NetApp technology that provides a unified storage platform supporting both SAN and NAS protocols. It allows organizations to consolidate their storage infrastructure and simplify management.

### Question: 222

Which NetApp feature provides the ability to create writable point-in-time copies of volumes or LUNs?

- A. FlexClone
- B. SnapMirror
- C. SnapVault
- D. SnapRestore

Answer: A

Explanation: FlexClone is a NetApp feature that provides the ability to create writable point-in-time copies of volumes or LUNs. It allows for rapid provisioning of new environments or the creation of multiple development and

test copies from a single volume.

**Question: 223**

Which NetApp ONTAP feature provides a scalable and high-performance solution for consolidating multiple workloads?

- A. FlexGroup
- B. FlexVol
- C. SnapMirror
- D. Storage Virtual Machine (SVM)

Answer: A

Explanation: The correct answer is A) FlexGroup. FlexGroup is a feature in NetApp ONTAP that provides a scalable and high-performance solution for consolidating multiple workloads. It allows you to aggregate multiple volumes into a single, large-scale namespace, providing seamless access to data across the volumes. FlexGroup enhances performance by distributing data and leveraging the resources of multiple constituent volumes, making it ideal for consolidating workloads and managing large datasets.

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