NetApp NS0-004 Practice Questions

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Question 1

Question Type: MultipleChoice

What are two NetApp on-premises data storage systems that can be discovered and managed in NetApp BlueXP? (Choose two.)

Options:

A- E-Series
B- Element clusters
C- Astra Data Store
D- StorageGRID

Answer:

A

Explanation:

NetApp BlueXP is a unified control plane that provides a hybrid multicloud experience for storage and data services across on-premises and cloud environments.It delivers operational simplicity combined with powerful and intelligent data management, protection, mobility, and governance services1.NetApp BlueXP can discover and manage NetApp on-premises data storage systems that support the Amazon S3 API, such as E-Series and StorageGRID2.E-Series is a hybrid-flash array that offers simple, fast, and reliable SAN storage for dedicated, high-bandwidth applications like data analytics, video surveillance, and HPC3. StorageGRID is a software-defined object storage suite that supports a wide range of use cases across public, private, and hybrid multicloud environments.StorageGRID offers native support for the Amazon S3 API and delivers industry-leading innovations such as automated lifecycle management to store, secure, protect, and preserve unstructured data cost effectively over long periods4.Reference=NetApp BlueXP - Data Estate Operations Made Simple,BlueXP for Unified Data Control and Hybrid Multicloud Management | NetApp,E-Series Hybrid Flash | NetApp,StorageGRID --- Object Storage | NetApp

Question 2

Question Type: MultipleChoice

An associate is using NetApp BlueXP to replicate data to NetApp Cloud Volumes ONTAP from a NetApp AFF system for disaster recovery purposes.

What must be done to the SnapMirror relationship to activate the destination volume for data access?

Options:

A- update
B- delete
C- resync
D- break

Answer:

D

Explanation:

= To activate the destination volume for data access, you must quiesce and break the SnapMirror relationship. Quiescing disables future SnapMirror data transfers, and breaking makes the destination volume read-write. This allows you to use the destination volume for disaster recovery purposes.Reference=Breaking the SnapMirror relationship,Manage mirror relationships with System Manager,Create the SnapMirror relationship

Question 3

Question Type: MultipleChoice

An administrator needs to upgrade the system hardware of a StorageGRID system to the latest version of firmware.

Which software is used for this upgrade?

Options:

A- NetApp Element
B- NetApp SANtricity
C- NetApp ONTAP
D- Microsoft Windows

Answer:

B

Explanation:

NetApp SANtricity is the software that is used to upgrade the system hardware of a StorageGRID system to the latest version of firmware. NetApp SANtricity is a web-based data management tool that enables customers to provision storage systems and perform common management tasks. NetApp SANtricity provides a simple, intuitive, and centralized interface for managing E-Series storage systems, which are used in StorageGRID appliances. NetApp SANtricity allows customers to upgrade drive firmware using the Upgrade Center feature, which displays the current and available firmware versions and guides the user through the upgrade process.Reference=Upgrade drive firmware using SANtricity System Manager,Upgrading drive firmware using SANtricity System Manager,Perform the upgrade,Upgrade StorageGRID software: Overview,Perform the upgrade.

Question 4

Question Type: MultipleChoice

Which NetApp tool enables customers to address risk factors and opportunities to improve system availability, security, and performance?

Options:

A- Cloud Insights Storage Workload Security
B- BlueXP copy and sync
C- BlueXP ransomware protection
D- Active IQ Digital Advisor

Answer:

D

Explanation:

Active IQ Digital Advisor, also integrated into NetApp BlueXP, is a NetApp tool that enables customers to address risk factors and opportunities to improve system availability, security, and performance. Active IQ Digital Advisor uses artificial intelligence to provide insights, guidance, and actions based on the data collected from your NetApp systems and services. Active IQ Digital Advisor helps you to monitor the health, capacity, efficiency, and protection of your storage environment, as well as to identify and resolve issues, optimize performance, and plan for future needs.Reference=NetApp Active IQ - Actionable Intelligence,Active IQ

Documentation,Active IQ Digital Advisor

Question 5

Question Type: MultipleChoice

The customer wants to deploy storage in the public cloud. The goal is to leverage native cloud infrastructure as well as NetApp's enterprise-grade technology that provides security, resilience, high availability, and cost-efficient performance.

Which NetApp solution meets these customer requirements?

Options:

A- StorageGRID
B- BlueXP observability
C- Cloud Volumes ONTAP
D- AFF

Answer:

C

Explanation:

= Cloud Volumes ONTAP is a cloud-native storage solution that allows you to deploy and manage NetApp hybrid, multi-cloud storage and data services from on-premises sources and cloud service providers. It provides enterprise-grade data and file services, such as NFS, SMB/CIFS, iSCSI and S3, on AWS, Azure, and Google Cloud. It also offers high availability, data protection, storage efficiency, and cost-performance optimization features.Reference=Cloud Volumes ONTAP: Deploy Storage in the Public Cloud - NetApp,NetApp Customer Experience | NetApp,NetApp launches cloud-native storage solution for containers

Question 6

Question Type: MultipleChoice

A storage administrator wants to expand an existing NetApp ONTAP AFF cluster with cost-

effective nearline storage for archiving purposes.

What should the administrator do to accomplish this task?

Options:

A- Upgrade the AFF controllers to a higher system.
B- Add a new FAS system to the existing AFF cluster.
C- Expand the cluster with a new AFF system.
D- Add SSDs to the existing AFF cluster.

Answer:

B

Explanation:

= Adding a new FAS system to the existing AFF cluster is a way to expand the storage capacity with cost-effective nearline storage for archiving purposes. A FAS system can use HDDs as the performance tier and tier cold data to cloud object storage using FabricPool, which is a NetApp data tiering technology that reduces the amount of physical capacity taken up by data. This way, the administrator can leverage the storage efficiencies of ONTAP and the low-cost storage of the cloud to archive data that is not frequently accessed. The AFF and FAS systems can be managed by the same ONTAP cluster and provide seamless data access and protection.Reference=Storage Efficiencies - NetApp,Data Archiving: Cost-Effective Cloud Storage - NetApp,AFF Systems and Cloud Volumes ONTAP | NetApp.

Question 7

Question Type: MultipleChoice

A customer needs to accelerate data access of a hot volume to multiple remote sites.

Which NetApp ONTAP feature simplifies file distribution, reduces WAN latency, and lowers WAN bandwidth cost?

Options:

A- MetroCluster software
B- FlexCache technology
C- SnapMirror Business Continuity

D- FlexClone technology

Answer:

B

Explanation:

FlexCache technology is a feature of NetApp ONTAP that enables you to create a cache volume on a remote cluster and populate it with data from a source volume on a different cluster. The cache volume can serve read requests from local clients, reducing the WAN latency and bandwidth consumption. The cache volume can also be configured to write back to the source volume, ensuring data consistency and availability. FlexCache technology simplifies file distribution by allowing you to create multiple cache volumes across different sites and regions, and manage them from a single interface.Reference=FlexCache volumes overview - NetApp,FlexCache volumes: Simplify file distribution and reduce WAN latency - NetApp,FlexCache volumes: Use cases and benefits - NetApp.

Question 8

Question Type: MultipleChoice

A customer wants a storage solution with a zero RPO and near-zero RTO for all their NAS workloads. Which NetApp solution meets these needs?

Options:

A- storage VM disaster recovery (SVM DR)
B- MetroCluster over IP
C- SnapMirror Business Continuity (SMBC)
D- SnapMirror Synchronous (SM-S)

Answer:

C

Explanation:

SnapMirror Business Continuity (SMBC) is a NetApp solution that meets the needs of a storage solution with a zero RPO and near-zero RTO for all NAS workloads.SMBC is a business continuity solution that enables transparent application failover and failback between two

ONTAP clusters in a LAN or MAN environment1.SMBC provides application-level granularity and automatic failover based on the ONTAP Mediator service1.SMBC leverages the existing SnapMirror Synchronous (SM-S) technology to replicate data synchronously between the clusters and maintain zero RPO12.SMBC also supports both NFS and SMB protocols for NAS workloads13.Reference=1:TR-4878: SnapMirror Business Continuity (SM-BC) for ONTAP 9.12 - NetApp,2:Modernize Your Data Protection with SnapMirror Synchronous - NetApp,3:NetApp ONTAP with NetApp SnapMirror Business Continuity (SM-BC ... - VMware.

Question 9

Question Type: MultipleChoice

Which NetApp product enables the movement of data across different platforms, such as file and object storage?

Options:

A- BlueXP classification
B- BlueXP copy and sync
C- Cloud Secure
D- BlueXP observability

Answer:

B

Explanation:

BlueXP copy and sync is a cloud replication and synchronization service that enables the movement of data across different platforms, such as file and object storage. It can convert and transfer data between various storage types, such as NFS, SMB, S3, Azure Blob, Google Cloud Storage, StorageGRID, and more. It also provides features such as encryption, ACL preservation, data broker management, and licensing.Reference=BlueXP copy and sync documentation,BlueXP copy and sync overview,Cloud Sync: Transfer Data across Any File or Object Storage

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