

Practice Exam Questions



NetApp Certified
Technology Associate



EXAMKILLER

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Netapp

Exam NS0-003

NetApp Certified Technology Associate

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[Total Questions: 93]

Question No : 1

You want your developers to be able to request storage on private and public cloud locations using a single API endpoint.

In this scenario, which NetApp service provides this capability?

- A. Cloud Manager
- B. Cloud Sync
- C. Cloud Volumes ONTAP
- D. Cloud Volumes Services

Answer: A

Explanation: Cloud Manager is a NetApp service that provides a single API endpoint for requesting storage on private and public cloud locations. Cloud Manager allows you to create and manage working environments, such as Cloud Volumes ONTAP systems or Cloud Volumes Service volumes, across multiple cloud providers.

Question No : 2

You want to have automatic tiering of all data blocks from a SnapMirror destination volume to an Amazon S3 bucket for both Cloud Volumes ONTAP and on-premises ONTAP systems.

In this scenario, which NetApp ONTAP features satisfies this requirement?

- A. Cloud Sync
- B. FabricPool technology
- C. ONTAPS3
- D. FlexCache software

Answer: B

Reference:<https://www.netapp.com/pdf.html?item=/media/17239-tr4598pdf.pdf&v=20216141531>

FabricPool technology is an ONTAP feature that enables hybrid storage solution by using an all-flash (SSD) aggregate as a performance tier and an object store in a public cloud service as a cloud tier. It allows you to have automatic tiering of all data blocks from a SnapMirror destination volume to an Amazon S3 bucket for both Cloud Volumes ONTAP and on-premises ONTAP systems.

Question No : 3

Which NetApp Cloud Manager add-on service scans your data to locate personally identifiable information (PII)?

- A. Cloud Compliance
- B. Cloud Insights
- C. Cloud Sync
- D. Cloud Backup

Answer: A

Explanation: https://docs.netapp.com/us-en/occm/concept_cloud_compliance.html

Cloud Compliance is a NetApp Cloud Manager add-on service that scans your data to locate personally identifiable information (PII) and other sensitive data. The other options are not Cloud Manager add-on services or do not scan your data for PII.

References:https://docs.netapp.com/us-en/occm/concept_compliance.html

Question No : 4

Which two tools would you use to manage your NetApp SolidFire eSDS storage cluster? (Choose two.)

- A. NetApp Active IQ Unified Manager
- B. NetApp Element UI
- C. NetApp Element Plug-in for VMware vCenter Server
- D. NetApp Cloud Manager

Answer: B,C

Explanation: After you install SolidFire eSDS on your storage clusters, you can use Element UI or the NetApp Element Plug-in for vCenter Server (VCP) to manage your storage clusters.

NetApp Element UI and NetApp Element Plug-in for VMware vCenter Server are two tools that you can use to manage your NetApp SolidFire eSDS storage cluster. NetApp Element UI is a web-based application that allows you to monitor and configure your cluster, volumes, accounts, and more. NetApp Element Plug-in for VMware vCenter Server is a plug-in that integrates with VMware vSphere and allows you to manage your cluster, volumes, snapshots, and clones from within vCenter.

Question No : 5

What are two elements of the Azure NetApp Files hierarchy? (Choose two.)

- A. encryption
- B. volume
- C. capacity
- D. tier

Answer: B,D

Explanation: B and D are correct because volume and tier are two elements of the Azure NetApp Files hierarchy. A volume is a logical container for data that can be accessed through SMB or NFS protocols. A tier is a performance level that determines the throughput and latency of a volume. The other options are not elements of the Azure NetApp Files hierarchy. References:<https://docs.microsoft.com/en-us/azure/azure-netapp-files/azure-netapp-files-understand-hierarchy>

Question No : 6

What are three global efficiencies for NetApp Element software? (Choose three.)

- A. compaction
- B. compression
- C. deduplication
- D. thin provisioning
- E. Inline zero detection

Answer: B,C,E

Explanation: B, C, and E are correct because compression, deduplication, and inline zero detection are three global efficiencies for NetApp Element software. Global efficiencies are data reduction techniques that operate across all volumes in a cluster and minimize redundancy while maximizing system performance. The other options are not global efficiencies for NetAppElement software.

References:<https://www.netapp.com/pdf.html?item=/media/16943-sb-3940pdf.pdf>

Question No : 7

You want to use the Cloud Manager solution to deploy Cloud Volumes ONTAP in your public cloud environment. In this scenario, what is deployed first to accomplish this task?

- A. Active IQ Unified Manager
- B. ONTAP System Manager
- C. Connector
- D. Acquisition Unit

Answer: C

Reference: https://docs.netapp.com/us-en/occm/pdfs/sidebar/Get_started_with_Cloud_Manager.pdf(page 8)

Connector is the component of Cloud Manager that enables you to deploy Cloud Volumes ONTAP in your public cloud environment. The other options are not components of Cloud Manager or do not relate to deploying Cloud Volumes ONTAP.

References: https://docs.netapp.com/us-en/occm/concept_overview.html

Question No : 8

Which NetApp product would be used for High Performance Computing solutions?

- A. E-Series
- B. StorageGRID
- C. Active IQ
- D. Astra

Answer: A

Explanation: <https://www.netapp.com/blog/choosing-storage-for-your-hpc-solution-part-1-speed/#:~:text=With%20nearly%201%20million%20systems,with%20NetApp%20E%2DSe ries%20storage.>

E-Series is a NetApp product that would be used for High Performance Computing solutions. It provides high performance, high availability, and high density for data-intensive workloads. The other options are not NetApp products or do not target High Performance Computing solutions. References: <https://www.netapp.com/data-storage/eseries/>

Question No : 9

What must be used for all backup and restore operations with Cloud Backup?

- A. SnapLock software
- B. SnapCenter software
- C. Cloud Manager
- D. Cloud Sync

Answer: B

Explanation: SnapCenter software is a centralized, web-based application that provides backup and restore capabilities for NetApp Cloud Volumes ONTAP and other NetApp storage systems. It allows you to create, manage, and monitor backup policies, schedules, and resources.

Question No : 10

Which cloud architecture model does Cloud Volumes Service have?

- A. PaaS
- B. DRaaS
- C. SaaS
- D. IaaS

Answer: C

Reference:<https://www.netapp.com/cloud-services/cloud-volumes-service-aws/>

SaaS stands for Software as a Service, which is a cloud architecture model that provides software applications over the internet. Cloud Volumes Service is an example of a SaaS offering that provides fully managed cloud storage with advanced features and performance.

Question No : 11

You want to ensure that the data that is stored in your Azure NetApp Files and on-premises NetApp ONTAP volumes satisfy General Data Protection Regulation (GDPR) engagements. You also want to ensure that the sensitive data is stored in specific locations only.

In this scenario, which NetApp cloud data service accomplishes these tasks?

- A. Cloud Compliance
- B. Cloud Backup
- C. SnapLock Compliance
- D. Cloud Insights

Answer: A

Explanation: Cloud Compliance is a NetApp cloud data service that provides data privacy and security features for Azure NetApp Files and NetApp Cloud Volumes ONTAP. It allows you to scan your data for sensitive information, classify your data by type and location, and generate reports for GDPR compliance.

Question No : 12

Your company asks you to implement a solution that will provide data governance and data mapping in your NetApp hybrid cloud deployment.

In this scenario, which NetApp technology would you deploy to deliver these services?

- A. Cloud Insights
- B. Cloud Sync
- C. Cloud Compliance
- D. D.Cloud Manager

Answer: C

Reference:<https://www.netapp.com/cloud-services/cloud-data-sense/>

Cloud Compliance is a NetApp cloud data service that provides data governance and data mapping features for your NetApp hybrid cloud deployment. It allows you to scan your data for sensitive information, classify your data by type and location, and generate reports for compliance purposes.

Question No : 13

Which two data protection features are built into NetApp Element software? (Choose two.)

- A. volume snapshots
- B. RAID DP
- C. real-time replication between clusters
- D. SnapLock software

Answer: A,C

Reference: https://docs.netapp.com/us-en/element-software/pdfs/pages/concepts/concept_solidfire_concepts_data_protection.pdf(p.2)

Volume snapshots and real-time replication between clusters are two data protection features that are built into NetApp Element software. Volume snapshots provide point-in-time copies of data that can be used for backup and recovery. Real-time replication between clusters provides synchronous mirroring of data across different sites for disaster recovery.

Question No : 14

Your customer is moving some of their data to the public cloud, but is concerned about the complexity of migrating and managing their data. They ask you about building a data fabric to make this process easier.

What are three reasons for using NetApp technologies In this scenario? (Choose three.)

- A. NetApp enables customers to provision, monitor and manage their cloud and on-premises storage through a single UI.
- B. NetApp enables customers to back up data to private or public clouds.
- C. NetApp enables customers to reduce the cost of migration by avoiding egress costs.
- D. NetApp enables customers to offload the provisioning of storage In public and private clouds.
- E. NetApp enables secure replication between on-premlses storage systems and the public cloud.

Answer: A,B,E

Explanation: NetApp enables customers to provision, monitor and manage their cloud and on-premises storage through a single UI (Cloud Manager), back up data to private or public clouds (Cloud Backup), and enable secure replication between on-premises storage systems and the public cloud (SnapMirror Cloud). The other options are not reasons for

using NetApp technologies in this scenario. References:<https://www.netapp.com/data-fabric/>

Question No : 15

Your company has decided to move an on-premises application to the cloud. The application's data is currently stored locally on a physical Red Hat Enterprise Linux (RHEL) server.

Which NetApp solution would be used to migrate this data to an Azure NetApp Files volume?

- A. SnapVault
- B. Cloud Sync
- C. SnapMirror
- D. AzCopy

Answer: B

Explanation: Cloud Sync is a NetApp service that enables you to synchronize data between different sources and targets, such as on-premises file servers, NFS or CIFS shares, cloud storage services, or Azure NetApp Files volumes. It supports various protocols and formats, including RHEL servers. References: **3** <https://docs.netapp.com/us-en/cloud-sync/index.html>

Question No : 16

You are setting up a new StorageGRID environment.

In this scenario, which two nodes would you deploy? (Choose two.)

- A. storage node
- B. admin node
- C. management node
- D. cluster node

Answer: A,B

Explanation: because storage node and admin node are two nodes that you would deploy in a new StorageGRID environment. A storage node is a node that stores object data and metadata. An admin node is a node that hosts the primary Admin Node service and the Gateway Node service. The other options are not nodes that you would deploy in a StorageGRID environment. References:<https://docs.netapp.com/sgrws-115/index.jsp?topic=%2Fcom.netapp.doc.sg-install%2FGUID-0E0D1B8C-7E4A-4B6F-AE5C-8A9D7F9B1F4C.html>

Question No : 17

Which storage type provides access using Amazon S3 APIs?

- A. object
- B. NAS
- C. inode
- D. SAN

Answer: A

Explanation: <https://docs.aws.amazon.com/AmazonS3/latest/userguide/storage-class-intro.html>

Reference:<https://cloud.netapp.com/blog/storage-tiering-ontap-cloud-and-amazon-s3>

Object storage is a type of storage that uses unique identifiers to store and retrieve data as objects. Amazon S3 is an example of an object storage service that provides access using Amazon S3 APIs.

Question No : 18

What are two benefits of NetApp FabricPool technology? (Choose two.)

- A. to reclaim capacity on primary storage
- B. to enable ease-of-use data migration to the cloud
- C. to allow simple disaster recovery from primary to secondary locations
- D. to allow high-performance storage to be used for active (hot) data

Answer: A,D

Explanation: NetApp FabricPool technology provides two benefits of reclaiming capacity on primary storage and allowing high-performance storage to be used for active (hot) data. FabricPool is a feature of ONTAP that enables you to tier infrequently accessed (cold) data

from an all-flash aggregate to an object store in the cloud or on-premises. The other options are not benefits of NetApp FabricPool technology.

References:<https://docs.netapp.com/us-en/ontap/cloud/fabricpool-concept.html>

Question No : 19

Which NetApp Cloud Manager add-on service enables you to back up on-premises volumes and NetApp Cloud Volumes ONTAP volumes to object storage?

- A. Cloud Insights
- B. Cloud Backup
- C. SnapLock
- D. Cloud Compliance

Answer: B

Reference:https://docs.netapp.com/us-en/occm/concept_backup_to_cloud.html#limitations

Cloud Backup is a service that enables you to back up and restore data from on-premises or cloud-based NetApp storage systems to low-cost object storage. It supports both NetApp ONTAP and NetApp Element software. References: 1 https://docs.netapp.com/us-en/occm/concept_backup.html

Question No : 20

Cloud Manager would be used to manage which two NetApp storage resources? (Choose two.)

- A. NetApp E-Series
- B. NetApp Cloud Volumes ONTAP
- C. NetApp StorageGRID
- D. NetApp All Flash FAS (AFF)

Answer: B,C

Explanation: Deliver management that enables you to discover, deploy, and manage your on-premises and cloud-resident NetApp ONTAP® systems—regardless of location, from a single point-of-control.

Cloud Manager is a web-based application that allows you to manage NetApp cloud

storage resources across multiple cloud providers. It supports NetApp Cloud Volumes ONTAP, which is a software-defined storage solution that runs on top of cloud infrastructure, and NetApp StorageGRID, which is an object storage solution that can span on-premises and cloud environments.

Question No : 21

Which NetApp administration tool is used to manage E-Series and EF-Series storage arrays?

- A. SANtricity System Manager
- B. Active 1Q Unified Manager
- C. Cloud Insights
- D. ONTAP System Manager

Answer: A

Explanation: <https://www.netapp.com/data-management/santricity/#:~:text=NetApp%20SANtricity%20software%20lets%20you,EF%20Dseries%20Flash%20Storage%20Arrays>.

SANtricity System Manager is a web-based application that allows you to manage E-Series and EF-Series storage arrays from a single pane of glass. It provides centralized monitoring, configuration, and management of E-Series and EF-Series storage systems.

Question No : 22

What are two benefits of using NetApp Keystone? (Choose two.)

- A. The storage Infrastructure Is purchased up-front.
- B. It allows you to lease and pay over time.
- C. It provides a pay-peruse model for storage.
- D. It provides a 100% capex model.

Answer: B,C

Explanation: NetApp Keystone provides two benefits of allowing you to lease and pay over time and providing a pay-per-use model for storage. NetApp Keystone is a flexible consumption model that enables you to align your storage spending with your business needs. The other options are not benefits of using NetApp Keystone.

References:<https://www.netapp.com/flexible-consumption-models/>

Question No : 23

What are two reasons for using containers? (Choose two.)

- A. to minimize resource overhead
- B. to deploy microservices as building blocks to distributed applications
- C. to deploy virtual machines to multiple different hardware platforms
- D. to deploy independent system kernels to unified applications

Answer: A,B

Reference:<https://www.netapp.com/devops-solutions/what-are-containers/>

Two reasons for using containers are to minimize resource overhead and to deploy microservices as building blocks to distributed applications. Containers minimize resource overhead because they share the kernel of the host operating system and do not require a full operating system for each application or service. Containers enable microservices architecture by allowing developers to create modular and independent components that can communicate with each other through APIs.

Question No : 24

Which StorageGRID component is used to create tenant accounts and control how clients connect?

- A. Admin Node
- B. Grid Manager
- C. Tenant Manager
- D. Storage Node

Answer: C

Reference:https://library.netapp.com/ecm/ecm_download_file/ECMLP2582762

Tenant Manager is a component of StorageGRID that is used to create tenant accounts and control how clients connect. Tenant Manager allows you to define tenant users, groups, roles, policies, and endpoints for accessing StorageGRID.

Question No : 25

Which two software-based encryption types does NetApp ONTAP software support?
(Choose two.)

- A. NetApp Storage Encryption (NSE)
- B. NetApp Aggregate Encryption (NAE)
- C. Self Encrypting Drive (SED)
- D. NetApp Volume Encryption (NVE)

Answer: B,D

Reference:<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-concepts%2FGUID-394BC638-DADB-4CA4-8C8E-D7F942F30458.html>

NetApp Aggregate Encryption (NAE) and NetApp Volume Encryption (NVE) are two software-based encryption types that ONTAP software supports. NAE encrypts all volumes in an aggregate using a single key per aggregate. NVE encrypts individual volumes using a unique key per volume.

Question No : 26

What is an advantage of server virtualization from a maintenance perspective?

- A. Virtual machines can be non-disruptively relocated to more powerful platforms, If required.
- B. Hosts can be powered off with no effect to the virtual machines running on the hosts.
- C. Virtual machines that are powered on but not being accessed, use no CPU or memory resources.
- D. Hosts can be upgraded or replaced non-disruptively to the virtual machines running on the hosts.

Answer: D

Explanation: server virtualization allows hosts to be upgraded or replaced non-disruptively to the virtual machines running on the hosts by using features such as live migration or vMotion. The other options are not advantages of server virtualization from a maintenance perspective. References:<https://phoenixnap.com/kb/what-is-server-virtualization>