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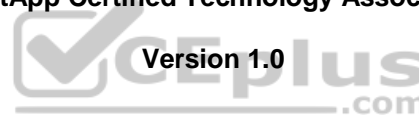
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NS0-002

NetApp Certified Technology Associate



## Exam A

### QUESTION 1

What would be used with Cloud Volumes Service to create Snapshot copies, catalog backups, and perform file-level restores?

- A. Cloud Backup Service
- B. Azure NetApp Files
- C. Cloud Volumes ONTAP
- D. Cloud Sync

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 2** Which three public cloud providers are supported when you deploy NetApp Private Storage (NPS)?  
(Choose three.)

- A. Amazon Web Services
- B. Rackspace
- C. Microsoft Azure
- D. Adobe Cloud
- E. Google Cloud

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3** Which type of service is an Amazon EC2 instance?

- A. storage
- B. switch
- C. compute
- D. networking

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 4** Which NetApp service protects Microsoft Exchange Online, Microsoft SharePoint Online, Microsoft OneDrive, and Microsoft Teams workloads?

- A. NetApp SaaS Backup
- B. NetApp SnapMirror
- C. NetApp Snapshot
- D. NetApp Cloud Backup Service

**Correct Answer:** A



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 5** What are two optional nodes in StorageGRID?  
(Choose two.)

- A. archive node
- B. API gateway node
- C. admin node
- D. cloud service node

**Correct Answer:** AB

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 6** Which technology enables the use of nonvolatile persistent memory to tier data on a client?

- A. FlexPool
- B. MAX Data
- C. FlexCache
- D. Flash Cache

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 7** What are two methods to subscribe to Cloud Insights?  
(Choose two.)

- A. NetApp Cloud Central
- B. NetApp Sales
- C. NetApp Support Site
- D. AWS Marketplace

**Correct Answer:** BD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Your existing virtual environment is stored on a NetApp AFF array. You want to reduce the capacity utilization on this array while taking advantage of highly scalable cloud storage.

Which ONTAP feature should you enable to satisfy these requirements?

- A. FlexCache
- B. FabricPool



- C. FlexClone
- D. StorageGRID

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 9

You have a centralized data center running NetApp ONTAP. Your business is deploying a new IoT solution directly managed by the Azure IoT hub. You want to store data in the cloud for use with data analytics.

Whish NetApp solution would accomplish this task?

- A. Cloud Secure
- B. Cloud Volumes ONTAP
- C. Cloud Backup Service
- D. Cloud Insights

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 10

Your employer asks you to develop an off-site data replication strategy that maintains ONTAP data efficiencies for the home directory data.

Which two solutions satisfy this requirement? (Choose two.)

- A. NetApp Private Storage
- B. MAX Data
- C. Cloud Volumes Service
- D. Cloud Volumes ONTAP

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11** Which three topics does data compliance cover?  
(Choose three.)

- A. business policies
- B. cloud provider policies
- C. hardware lifecycle management
- D. legal requirements
- E. regulatory requirements

**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12** What are three supported deployment solutions for NetApp StorageGRID?  
(Choose three.)

- A. virtual servers using VMware ESXi
- B. virtual servers using Docker containers
- C. virtual servers using Amazon EC2
- D. StorageGRID hardware appliances
- E. virtual servers using Microsoft Hyper-V

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13** What are three pay-as-you-go (PAYGO) licenses for Cloud Volume ONTAP?  
(Choose three.)

- A. Cloud Volumes ONTAP Bring Your Own License (BYOL)
- B. Cloud Volumes ONTAP Services
- C. Cloud Volumes ONTAP Premium
- D. Cloud Volumes ONTAP Explore
- E. Cloud Volumes ONTAP Standard

**Correct Answer:** CDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 14** What is the primary interface to manage a NetApp HCI cluster?

- A. VMware vCenter
- B. OnCommand System Manager
- C. OnCommand Unfired Manager
- D. VMware Horizon

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15** You are asked to ensure that OnCommand Cloud Manager automatically provisions additional storage for your Cloud Volumes ONTAP system.

Which OnCommand Cloud Manager feature enables you to accomplish this task?

- A. WORM storage
- B. advanced allocation
- C. automatic capacity management
- D. data tiering

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 16** What are two functions of FlexGroup volumes? (Choose two.)

- A. massive capacity
- B. ability to hold LUNs
- C. nondisruptive scale out
- D. ideal for small workloads

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 17** Which statement is true regarding application containerization?

- A. Application containerization requires the Linux operating system.
- B. Application containerization provides increased portability.
- C. Application containerization increases performance of virtual machines.
- D. Application containerization is designed for massive data sets.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 18** Which two resources are provisioned when you deploy Cloud Volumes ONTAP in Azure? (Choose two.)

- A. Azure Queue Storage
- B. Azure Files
- C. Azure Blob
- D. Azure Managed Disks

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 19** What is a group of one or more containers in a Kubernetes cluster?

- A. helm
- B. pilot
- C. node
- D. pod

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

You are currently performing all the important administrator and maintenance tasks for your system, and need to delegate work to the staff so that you can attend to other issues.

Which approach will you take to ensure that your systems are safe?

- A. Provide all users with power user access.
- B. Employ mandatory integrity control.
- C. Provide all users with administrator access.
- D. Employ the principle of least privilege.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 21** Which two software platforms are provided with an HCI cluster? (Choose two.)

- A. SANtricity
- B. Cloud Volumes ONTAP
- C. Element
- D. VMware ESXi



**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 22** Which three Element software global efficiencies are always active? (Choose three.)

- A. quality of service
- B. redundant array of inexpensive disks (RAID)
- C. thin provisioning
- D. data deduplication
- E. data compression

**Correct Answer:** CDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

Which two Amazon storage services are used to store data for Cloud Volumes ONTAP? (Choose two.)

- A. Amazon S3

- B. Amazon EFS
- C. Amazon FSx
- D. Amazon EBS

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which service does Cloud Volumes ONTAP tiering use?

- A. Azure Blob
- B. Azure Queue Storage
- C. Azure Data Lake Storage
- D. Azure Stack

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 25** What are three benefits of using NetApp Cloud Volumes ONTAP?

(Choose three.)

- A. automatic backup
- B. SnapMirror capabilities
- C. automatic tiering
- D. storage efficienciesE. serverless compute

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26** Which two hypervisors are supported for use with ONTAP

Select? (Choose two.)

- A. Hyper-V
- B. Solaris
- C. KVM/ESXi

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 27** What is the logically isolated network that you create in Amazon Web Services (AWS) to be used with Cloud Volumes ONTAP?

- A. Virtual Storage Area Network (VSAN)
- B. Virtual Network (VNet)





- C. Virtual Local Area Network (VLAN)
- D. Virtual Private Cloud (VPC)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 28** Which tool would be used to allocate additional storage to your NetApp Cloud Volumes ONTAP clusters?

- A. OnCommand Cloud Manager
- B. Cloud Insights
- C. OnCommand Unified Manager
- D. Cloud Sync

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Which NetApp cloud technologies would be deployed using OnCommand Cloud Manager? (Choose two.)

- A. Cloud Backup Service
- B. Cloud Volumes ONTAP
- C. Cloud Sync
- D. Cloud Volumes Services



**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 30** What are two node types within a Kubernetes cluster? (Choose two.)

- A. storage node
- B. gateway node
- C. worker node
- D. master node

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31** Your company wants to use public cloud for data analytics and they want to use the most competitive cloud provider at any given time.

In this scenario, which NetApp solution would store data near multiple public cloud providers?

- A. Cloud Volumes ONTAP
- B. NetApp HCI
- C. Azure NetApp Files
- D. NetApp Private Storage

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 32** Which management software allows you to provision Dynamic Disk Pools?

- A. Element
- B. SANtricity
- C. StorageGRID
- D. ONTAP

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

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

- A. NetApp All Flash FAS (AFF)
- B. NetApp Cloud Volumes ONTAP
- C. NetApp StorageGRID
- D. NetApp Private Storage (NPS)
- E. NetApp HCI

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34** What are three NetApp ONTAP storage efficiencies? (Choose three.)

- A. compression
- B. thin provisioning
- C. quality of service
- D. deduplication
- E. audit logs

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35** You need to be able to fail over from your main office to your remote office in the event of a disaster.

Which NetApp product would you use in this scenario?

- A. SnapManager
- B. SnapCenter
- C. SnapMirror
- D. SnapLock

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 36** What are two performance advantages that solid-state drives have over hard disk drives? (Choose two.)

- A. consistent transfer time
- B. no rotational latency
- C. I/O start time
- D. no seek time

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 37**

Which Cisco-validated design (CVD) is built upon the Cisco Unified Computing System (Cisco UCS), the Cisco Nexus family of switches, and NetApp storage controllers (FAS or AFF)?

- A. FlexPod
- B. HCI
- C. E-Series
- D. StorageGRID

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38** You want to use NetApp Cloud Volumes ONTAP as a data replication target for your primary ONTAP storage systems.

In this scenario, what are three cost-saving business benefits? (Choose three.)

- A. the ability to run without purchasing a license as long as your production workload is less than 2 TB
- B. the ability to shut down the virtual instance to save on compute costs
- C. the ability to provision added capacity when you need it
- D. the ability to migrate clusters between public cloud providers to take advantage of price differences
- E. the ability to tier inactive data to less costly storage

**Correct Answer:** CDE

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 39** Which ONTAP feature allows you to re-purpose existing third-party storage systems and present them as native ONTAP storage?

- A. SnapMirror
- B. Foreign LUN Import (FLI)
- C. FlexClone
- D. FlexArray

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 40** You are building a new application in Google Cloud Platform (GCP) that requires multi-protocol file access.

In this scenario, which solution would you use?

- A. Google Cloud Storage
- B. Google Cloud Spanner
- C. NetApp Kubernetes Service
- D. NetApp Cloud Volumes Service

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 41** Which two technologies enable business continuity during a site failure? (Choose two.)

- A. StorageGRID
- B. Snapshot copies
- C. MetroCluster
- D. SnapLock

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 42** Regarding system high availability, what is the reference used to determine reliability?

- A. the amount of data available to users and how quickly they can access it, measured in IOPS
- B. the number of hard drives available in a system, with more drives indicating more reliability
- C. the number of data network components available between the data and the user, measured in packet per second (PPS)



D. the number of nines; for example, two nines (99), three nines (99.9), four nines (99.99), and five nines (99.999)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 43** Which feature enables replication from Element volumes to ONTAP?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 44** Where would you create an export policy?

- A. in an aggregate
- B. in a RAID group
- C. in an SVM
- D. in a FlexVol volume



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 45** Which two statements describe the benefits of using public clouds? (Choose two.)

- A. Applications are always less expensive to run in the public cloud.
- B. Public clouds are always used for hosting tier 1 and financial applications.
- C. Public clouds provide an environment for development, testing, and disaster-recovery applications.
- D. Public clouds support multi-regional applications without the expense of collocating data centers.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 46** Which tool do you use to administer a NetApp Kubernetes Service cluster manager?

- A. kubect1

- B. kubeadm
- C. clustershell
- D. helm

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 47** What is an advantage of server virtualization from a maintenance perspective?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 48** Which two StorageGRID features provide data durability for large unstructured datasets? (Choose two.)

- A. erasure coding
- B. storage tiering
- C. object replication
- D. S3 API compatibility



**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 49** Which two statements are correct regarding containers? (Choose two.)

- A. A container is a lightweight, standalone, virtualized Java-based operating system.
- B. Containers are isolated software enclaves in a virtual machine.
- C. Containers are available for both Linux-based and Windows-based applications.
- D. A container is a standard unit of software that packages code and all its dependencies.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 50**

Which three NetApp data mobility products are used to migrate data into the cloud? (Choose three.)

- A. robocopy
- B. rsync
- C. XCP
- D. Cloud Sync
- E. SnapMirror

**Correct Answer:** CDE

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 51** What is an elastic IP?

- A. an Internet routable address
- B. a nonroutable address
- C. a peering route
- D. a load-balanced IP address

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 52**

What are two benefits of managing persistent storage volumes in containers using NetApp Trident? (Choose two.)

- A. Trident provides a unified interface to NetApp storage.
- B. Trident provides automated deployment of Helm charts to Kubernetes.
- C. Trident provides backup/restore capabilities.
- D. Trident dynamically fulfills storage requests.

**Correct Answer:** AD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 53**

An IoT company is building a mobile device. The development team wants to move data collected with the mobile devices to a file share hosted on AWS that would be used as the ingestion source for a machine learning pipeline. They have decided to host the file share using Cloud Volumes ONTAP.

Which software would you add to the mobile device to facilitate this task?

- A. StorageGRID
- B. ONTAP Select
- C. SANtricity
- D. Element

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 54**

Which ONTAP-native encryption type is supported with Cloud Volumes ONTAP?

- A. NSE
- B. AES
- C. NVE
- D. RSA

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 55** Which ONTAP technology is the foundation for SnapMirror?

- A. modifiers
- B. clones
- C. snapshots
- D. disks

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 56** What are two benefits of implementing NetApp Cloud Sync? (Choose two.)

- A. to leverage native SnapMirror technology to retain storage efficiencies
- B. to consolidate storage management into one administrative tool
- C. to automate data migration processes, on-premises or to the cloud
- D. to provide a secure data synchronization service

**Correct Answer: CD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 57**

What are two reasons to enable high availability? (Choose two.)

- A. performance management
- B. fault tolerance
- C. nondisruptive operation
- D. load balancing

**Correct Answer: BC**



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 58** Your business has access to on-premises applications and decides to distribute some of the workload onto a public cloud provider.

In this scenario, what is this architecture called?

- A. hybrid cloud
- B. public cloud
- C. community cloud
- D. private cloud

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 59** Which data protection law is enforced by the European Union?

- A. EU -- US Privacy
- B. General Data Protection Regulation (GDPR)
- C. Convention on Cyber Security and Personal Data Protect (CCSPDP)
- D. Ibero -- American Data Protection Network (RIPD)



**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

Your users require both NFS and SMB file services. You do not want to manage the storage using OnCommand System Manager or the command line interface.

In this scenario, which three products would satisfy these requirements? (Choose three.)

- A. Azure NetApp Files
- B. NetApp Cloud Volumes ONTAP
- C. NetApp Cloud Volumes Service for AWS
- D. NetApp Cloud Volumes Service for GCP
- E. Amazon S3 Glacier

**Correct Answer: ABD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**