



# **Network-Appliance**

## **Exam Questions NS0-162**

NetApp Certified Data Administrator, ONTAP

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**NEW QUESTION 1**

You have an Internet of Things (IoT) application that will use SMB shares on a remote ONTAP Select Instance. There are no name services and only a local network is available at the remote IoT site.

In this scenario, which two features are supported by ONTAP software for the IoT application? (Choose two.)

- A. Active Directory users
- B. SMB Server in workgroup mode
- C. SMB3 Witness protocol
- D. CIFS local users

**Answer:** BD

**Explanation:**

[https://kb.netapp.com/Advice\\_and\\_Troubleshooting/Data\\_Storage\\_Software/ONTAP\\_OS/Is\\_Workgroup\\_Mode](https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/Is_Workgroup_Mode)

**NEW QUESTION 2**

After creating several volumes, you notice that the hosting aggregates immediately show a decrease in available space. Which volume setting would prevent this outcome?

- A. space SLO set to "thick"
- B. space guarantee set to "none"
- C. space SLO set to "semi-thick"
- D. space guarantee set to "volume"

**Answer:** B

**NEW QUESTION 3**

Windows 2019 reports 500 GB of free space on a disk; however, on the storage side, the LUN has 0 bytes free.

When the host deletes files on the disk, auto reclaim on the thin-provisioned LUN does not occur. In this scenario, which action should you take to enable space reclamation?

- A. Set the space allocation option to disable.
- B. Set the space allocation option to enable.
- C. Enable space guarantees on the volume.
- D. Enable space guarantees on the LUN.

**Answer:** B

**NEW QUESTION 4**

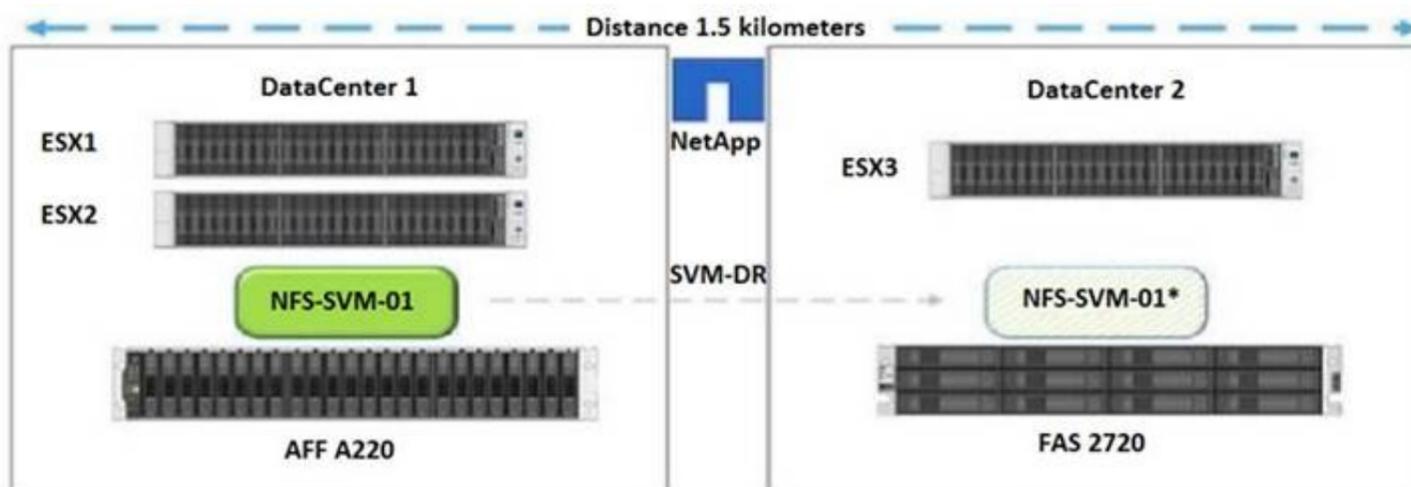
You have two ONTAP clusters and are setting up a new SnapMirror SVM replication (SVM DR) relationship. Which two statements are true in this scenario? (Choose two.)

- A. The target SVM subtype must be dp-destination.
- B. The source SVM subtype must be default.
- C. The target SVM subtype must be sync-destination.
- D. The source SVM subtype must be sync-source.

**Answer:** CD

**NEW QUESTION 5**

Exhibit.



You have an SVM-DR relationship as shown in the exhibit. You are given a new requirement to use SnapMirror Synchronous (SMS) for the data volumes in NFS-SVM-01.

In this scenario, which solution is supported to enable SMS in ONTAP 9.8 software?

- A. Set up new SM-S relationships from the AFF A220 to a new destination.
- B. Set up new SM-S relationships from the FAS2720 to a new destination.
- C. Set up NetApp Cloud Sync with a cloud broker in AWS to replicate to a new destination.
- D. Modify the existing SVM-DR policy to use sync mode.

**Answer:** C

#### NEW QUESTION 6

A node fails on an HA configuration. A successful failover occurs, but your clients that are using the SMB protocol complain that they are not able to access their data.

In this scenario, what caused the problem?

- A. The surviving node is not licensed for CIFS.
- B. One of the cluster Interconnect ports on the surviving node failed.
- C. The quota for the qtree has been reached.
- D. The disk ownership did not transfer correctly.

**Answer:** A

#### NEW QUESTION 7

A customer wants to migrate a series of LUNs from a third-party array to a FAS. In this scenario, which two tools would the customer use? (Choose two.)

- A. ADP
- B. XCP
- C. FLI
- D. NKS

**Answer:** BC

#### Explanation:

Migrate a series of LUNs from a third-party array to a FAS.

#### NEW QUESTION 8

Your company wants to increase access security in both their NFS and iSCSI environments. Currently iSCSI is not authenticated and NFS relies only on export policies for security.

Which two enhancements do you use to satisfy this new criteria? (Choose two.)

- A. Enable Kerberos for NFS exports.
- B. Enable Kerberos for iSCSI LUN access.
- C. Enable Challenge-Handshake Authentication Protocol (CHAP) for NFS exports.
- D. Enable Challenge-Handshake Authentication Protocol (CHAP) for iSCSI LUN access.

**Answer:** AD

#### NEW QUESTION 9

You are asked to deploy a 2-node ONTAP Select cluster. The physical hardware is located in two different locations and you want the aggregates mirrored synchronously between the two data centers. You must ensure high availability and automated switchover.

In this scenario, which two steps would you take to fulfill this requirement? (Choose two.)

- A. Ensure that the ONTAP Select Deploy VM resides at a third location other than the two data centers.
- B. Install the SnapMirror Sync license on the cluster.
- C. Use ONTAP Mediator service to make sure that you have a quorum for the two nodes.
- D. Use ONTAP Select Deploy to install the nodes on the physical hardware.

**Answer:** AC

#### Explanation:

[https://docs.netapp.com/us-en/ontap-select/reference\\_plan\\_ots\\_two\\_node.html](https://docs.netapp.com/us-en/ontap-select/reference_plan_ots_two_node.html)

When a cluster consists of two nodes, it is not possible to achieve the quorum required when a node fails or loses communication. To resolve these types of split-brain situations, every instance of the ONTAP Select Deploy utility includes a mediator service. If you have one or more active two-node clusters, the ONTAP Select Deploy virtual machine administering the clusters must be running at all times.

#### NEW QUESTION 10

You have created a new FlexCache cache volume and want to warm the cache before clients access the cache volume for the first time. In this scenario, how would you accomplish this task?

- A. Prepopulate the cache volume with data from the origin volume using the flexcache prepopulate start command.
- B. Enable block-level invalidation using the volume flexcache origin config modify command.
- C. Copy the data from the origin volume to the cache volume with the NetApp XCP Migration Tool.
- D. Synchronize the origin and cache first with the volume flexcache sync-properties command.

**Answer:** A

#### Explanation:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-fc-mgmt%2FGUID-E878AB6F-2A6>

#### NEW QUESTION 10

Exhibit.

```
cluster1::> volume show -vserver svm2_cluster1 -volume data -fields space-guarantee,fractional-reserve,autosize-mode,space-slo
vserver      volume autosize-mode space-slo space-guarantee fractional-reserve
-----
svm2_cluster1 data  grow          none      none          0%
```

```
cluster1::> lun show -vserver svm2_cluster1 -volume data -fields space-reserve,space-allocation
vserver      path          space-reserve space-allocation
-----
svm2_cluster1 /vol/data/lun disabled    disabled
```

You have a 2-node NetApp FAS2750 ONTAP cluster. You create a new 20-GB LUN in a new 100-GB volume and write 10 GB of data to the LUN. No storage efficiencies are enabled for the volume or aggregate.

Referring to the exhibit, which two statements are true? (Choose two.)

- A. ONTAP reports that the volume is using 10 GB of its containing aggregate.
- B. ONTAP reports the volume as 20% full.
- C. ONTAP reports that the volume is using 100 GB of its containing aggregate.
- D. ONTAP reports the volume as 10% full.

**Answer:** AD

#### NEW QUESTION 15

You want to configure Active Directory domain controller access for NetApp ONTAP cluster administration. In this scenario, which two actions would accomplish this task? (Choose two.)

- A. Configure an authentication tunnel through an admin SVM.
- B. Use the vserv active-directory create command to create a computer account on the domain for a non-CIFS SVM.
- C. Use the vserv active-directory create command to create a computer account on the domain for a CIFS SVM.
- D. Configure an authentication tunnel through an existing CIFS SVM.

**Answer:** BD

#### Explanation:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-adm-auth-rbac%2FGUID-BC7B193> Configuring an authentication tunnel

If you have already configured a CIFS server for a data SVM, you can use the security login domain-tunnel create command to configure the SVM as a gateway, or tunnel, for AD access to the cluster.

Creating an SVM computer account on the domain

If you have not configured a CIFS server for a data SVM, you can use the vserv active-directory create command to create a computer account for the SVM on the domain.

#### NEW QUESTION 18

Your company requests that the monthly performance data of your ONTAP 9.8 cluster be exported to a CSV file for further processing. In this scenario, which three NetApp products satisfy this requirement? (Choose three.)

- A. Active IQ Unified Manager
- B. Cloud Insights
- C. Active IQ Config Advisor
- D. ONTAP System Manager
- E. Active IQ OneCollect

**Answer:** ABD

#### NEW QUESTION 19

The source NAS volume of a SnapMirror relationship is unavailable due to networking issues at your organization's primary data center. You want to make the destination NAS volume writable so that clients are able to access their data.

Which two steps do you need to take to solve the issue? (Choose two.)

- A. Break the SnapMirror relationship using the snapmirror break command from the destination cluster.
- B. Delete the SnapMirror relationship from the destination cluster.
- C. Use the volume mount command to mount the NAS volume in the NFS namespace.
- D. Break the SnapMirror relationship using the snapmirror break command from the source cluster.

**Answer:** CD

#### NEW QUESTION 21

A user wants existing data in a FlexVol created in ONTAP 9.1 to be placed into a FlexGroup volume with ONTAP 9.8. In this scenario, which two statements are true? (Choose two.)

- A. Use XCP to copy data from a FlexVol to a FlexGroup.
- B. Use SnapMirror to replicate data from FlexVol to FlexGroup.
- C. You can convert the FlexVol volume to a FlexGroup volume.
- D. A FlexVol to FlexGroup conversion is not supported.

**Answer:** BC

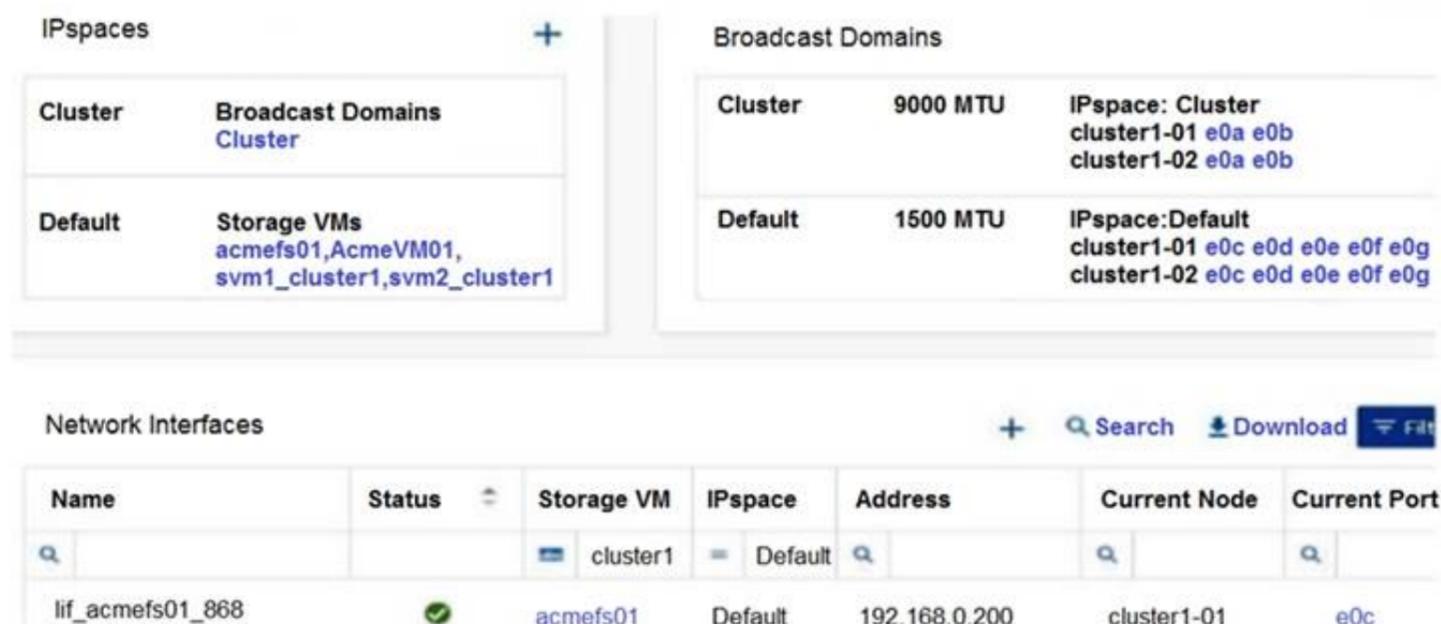
#### Explanation:

Starting with ONTAP 9.7, you can perform an in-place conversion of a FlexVol volume to a FlexGroup volume without requiring a data copy or additional disk

space. Starting with ONTAP 9.7, you can convert standalone FlexVol volumes or FlexVol volumes that are in a SnapMirror relationship to FlexGroup volumes.

### NEW QUESTION 22

Exhibit.



The screenshot shows the ONTAP configuration interface. It is divided into three main sections:

- IPspaces:** A table with two rows. The first row is for 'Cluster' with 'Broadcast Domains' set to 'Cluster'. The second row is for 'Default' with 'Storage VMs' listed as 'acmefs01, AcmeVM01, svm1\_cluster1, svm2\_cluster1'.
- Broadcast Domains:** A table with two rows. The first row is for 'Cluster' with '9000 MTU' and 'IPspace: Cluster' (listing 'cluster1-01 e0a e0b' and 'cluster1-02 e0a e0b'). The second row is for 'Default' with '1500 MTU' and 'IPspace: Default' (listing 'cluster1-01 e0c e0d e0e e0f e0g' and 'cluster1-02 e0c e0d e0e e0f e0g').
- Network Interfaces:** A table with columns: Name, Status, Storage VM, IPspace, Address, Current Node, and Current Port. The first row shows 'lif\_acmefs01\_868' with a green status icon, 'acmefs01' as the Storage VM, 'Default' as the IPspace, '192.168.0.200' as the Address, 'cluster1-01' as the Current Node, and 'e0c' as the Current Port.

You have an ONTAP 9.8 cluster. After network maintenance, the LIF that is shown in the exhibit is not always on a correct port and is unreachable by users until the LIFs are moved to port e0c or e0d on either storage node.

In this scenario, which action should you take to ensure that the LIF only fails over to the correct ports?

- A. Create a DNS load balancing zone.
- B. Split the broadcast domain.
- C. Create an IPspace.
- D. Change the LIF's failover policy to sfo-partner-only

**Answer: B**

### NEW QUESTION 25

Which two types of capacity tiers are supported with FabricPool aggregates in ONTAP 9.8? (Choose two.)

- A. SWIFT Object Store
- B. NFS Export
- C. StorageGRID Object Storage
- D. S3 Object Store

**Answer: CD**

### NEW QUESTION 30

You are attempting to establish a SnapMirror relationship between your ONTAP cluster (AcmeClus01) and a partner company's ONTAP cluster (WidgetsClus01). The clusters are unable to establish a peering relationship. You perform a packet capture on WidgetsClus01 and do not see any packets from AcmeClus01. You also discover that the IP subnet that is used for WidgetsClus01's intercluster LIFs overlaps with a local subnet at your company. In this scenario, which feature would enable AcmeClus01 and WidgetsClus01 to peer with each other?

- A. VLANs
- B. broadcast domains
- C. IPspaces
- D. ONTAP subnets

**Answer: C**

#### Explanation:

[https://kb.netapp.com/Advice\\_and\\_Troubleshooting/Data\\_Protection\\_and\\_Security/SnapMirror/How\\_to\\_create](https://kb.netapp.com/Advice_and_Troubleshooting/Data_Protection_and_Security/SnapMirror/How_to_create)

### NEW QUESTION 35

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