



# **Network-Appliance**

## **Exam Questions NS0-162**

NetApp Certified Data Administrator, ONTAP

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### NEW QUESTION 1

Which three protocols are supported by NetApp ONTAP Select? (Choose three.)

- A. NFS
- B. SCSI
- C. NVMe
- D. FCP
- E. CIFS

**Answer:** ABE

### NEW QUESTION 2

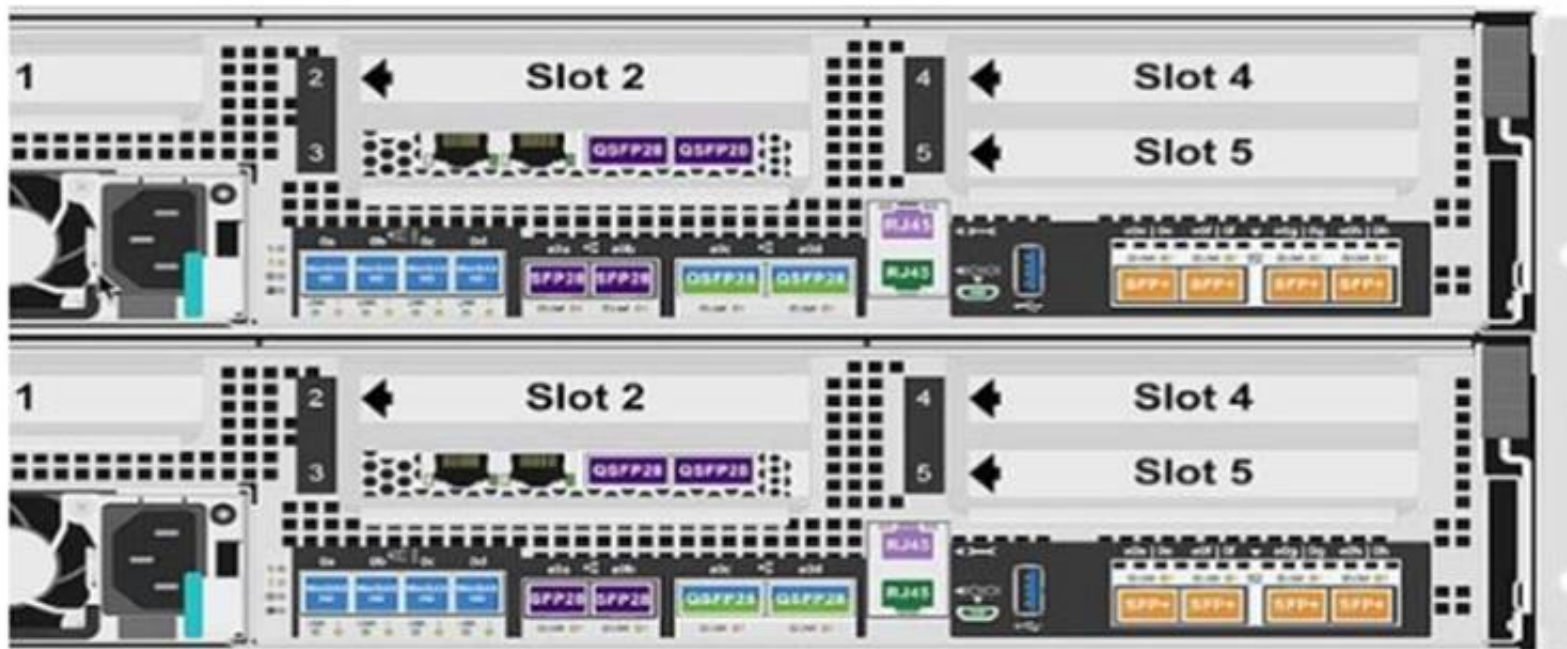
After attempting to perform an ONTAP upgrade. It falls during the pre-check. In this scenario, what would cause this problem?

- A. encrypted volumes
- B. offline volume
- C. Idle SnapMirrors
- D. offline data LIF

**Answer:** C

### NEW QUESTION 3

Exhibit.



You are adding a NetApp AFF A400 system to an existing 4-node cluster and want to know which ports you would use to expand your cluster.

Referring to the exhibit, which tool would you use to accomplish this task?

- A. Active IQ Unified Manager
- B. NetApp Interoperability Matrix (IMT)
- C. Active IQ Conflg Advisor
- D. NetApp Hardware Universe (HWU)

**Answer:** D

### NEW QUESTION 4

Which command parameter will result in a thin-provisioned LUN?

- A. -space-allocation enabled
- B. -space-reservation disabled
- C. -space-guarantee none
- D. -space-guarantee volume

**Answer:** C

### NEW QUESTION 5

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 6

Which two storage efficiency features are enabled by default on AFF systems? (Choose two.)

- A. LUN-level compression
- B. aggregate-level compression
- C. aggregate-level inline deduplication
- D. volume-level Inline deduplication

**Answer:** CD

#### NEW QUESTION 7

Exhibit.

Op	Size	Total	Failed	Latency (ms)		Throughput
				min	max	
PUT	4MB	50000	0	273	10500	277.3MB
GET	4KB	5000000	0	4	9591	48.46MB
GET	0KB	5000000	9	5	10021	123.3MB
GET	32KB	5000000	0	7	7009	475.3MB
GET	256KB	2125276	0	21	7838	530.7MB

You have a NetApp AFF A400 HA pair with Fabric Pool enabled on all data using the snapshot-only policy. Users are reporting slow restores when they recover files with the Windows Previous Versions tab.

Referring to the exhibit, what is the highest latency seen on restore?

- A. 10500
- B. 10021
- C. 9591
- D. 7889

**Answer:** B

#### Explanation:

the user retrieve files, which is a GET operation. You can use the S3 GET Object request to retrieve an object from an S3 bucket.

<https://docs.netapp.com/sgws-113/index.jsp?topic=%2Fcom.netapp.doc.sg-s3%2FGUID-8B7BB6D4-FA59-4E8>

#### NEW QUESTION 8

You have a remote FlexCache storage device that is running on ONTAP Select 9.8 software. The cache origin volume is on an FAS8700 that is running ONTAP 9.8 software. The WAN connection dropped, and the FlexCache volume is in disconnected mode.

In this scenario, which LIFs would you ping to troubleshoot the disconnect?

- A. management
- B. Intercluster
- C. data
- D. cluster

**Answer:** D

#### Explanation:

<https://docs.netapp.com/ontap-9/topic/com.netapp.doc.pow-fc-mgmt/GUID-AE9CC59E-BE3B-4185-B018-E3F>

#### NEW QUESTION 9

When you set up an ONTAP cluster, which two SVM types are automatically created? (Choose two.)

- A. admin
- B. node
- C. data
- D. cluster

**Answer:** AB

#### NEW QUESTION 10

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 10

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 12

Exhibit

```
cluster1::"> statistics show -object resource_headroom_cpu -raw -counter ewma_hourly
```

```
Object: resource_headroom_cpu
Instance: CPU_sti2520-213
Start-time: 2/9/2020 16:06:27
End-time: 2/9/2020 16:06:27
Scope: sti2520-213
```

Counter	Value
ewma_hourly	-
current_ops	4376
current_latency	37719
current_utilization	96
optimal_point_ops	2573
optimal_point_latency	3589
optimal_point_utilization	72
optimal_point_confidence_factor	1

```
Object: resource_headroom_cpu
Instance: CPU_sti2520-214
Start-time: 2/9/2020 16:06:27
End-time: 2/9/2020 16:06:27
Scope: sti2520-214
```

Counter	Value
ewma_hourly	-
current_ops	10320
current_latency	47232
current_utilization	88
optimal_point_ops	2573
optimal_point_latency	3589
optimal_point_utilization	71
optimal_point_confidence_factor	1

You have a 2-node FAS8300 switchless cluster. You ran the performance capacity report to see the last hour of performance. Referring to the exhibit, which two statements describe the performance? (Choose two.)

- A. The CPU has been underutilized.
- B. The CPU has been over utilized.
- C. A storage failover event will cause performance issues.
- D. A storage failover event will have no performance degradation.

**Answer:** BC

#### NEW QUESTION 15

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 16

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.

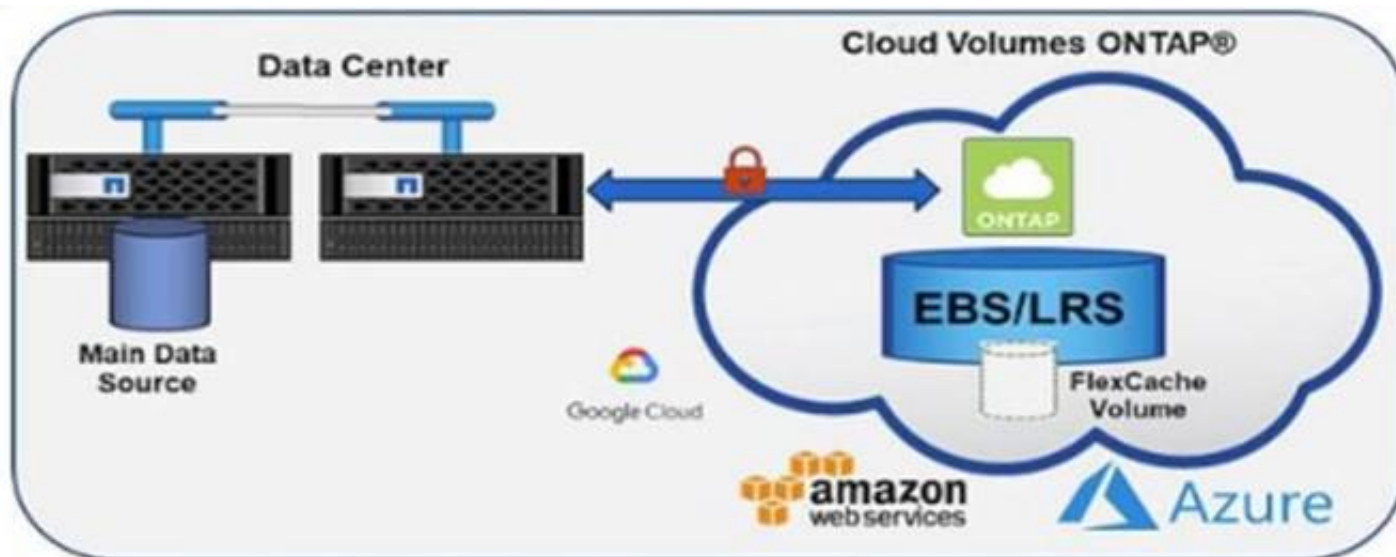
**Answer:** A

**Explanation:**

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

**NEW QUESTION 17**

Exhibit.



You are caching on-premises ONTAP volumes into the cloud with Cloud Volumes ONTAP as shown in the exhibit. In this scenario, which two protocols are supported? (Choose two.)

- A. SMB
- B. NVMe
- C. iSCSI
- D. NFS

**Answer:** CD

**NEW QUESTION 22**

You need to Increase the number of files that can be created In a volume. Which two methods enable you to achieve this goal? (Choose two.)

- A. Increase the number of files permitted on the volume.
- B. Set the space guarantee to 'volume'.
- C. Set the fractional reserve to "0".
- D. Increase the size of the volume.

**Answer:** AD

**NEW QUESTION 23**

A volume Is set to use Adaptive QoS with the default policy.  
 In this scenario, which change would affect the QoS throughput ceiling?

- A. Data is added to the volume.
- B. Disks are added to the volume's aggregate.
- C. More clients access the volume.
- D. The volume Is resized.

**Answer:** D

**NEW QUESTION 26**

Exhibit.

```
Cluster1::> network interface show
```

Vserver	Logical Interface	Status Admin/Oper	Network Address/Mask	Current Node	Current Port	Is Home
Cluster	Cluster1_Node1_Clus1	up/up	169.254.170.170/16	Cluster1_Node1_Clus1	e0a	false
	Cluster1_Node1_Clus2	up/up	169.254.69.110/16	Cluster1_Node1_Clus2	e0b	false
	Cluster1_Node2_Clus1	up/up	169.254.64.19/16	Cluster1_Node2_Clus1	e0a	false
	Cluster1_Node2_Clus2	up/up	169.254.238.93/16	Cluster1_Node2_Clus2	e0b	false

After an ONTAP upgrade, you notice that several cluster LIFs are not on their home ports as shown in the exhibit. Which LIF option would change this outcome?

- A. the subnet-name option
- B. the failover-policy option
- C. the auto-revert option
- D. the data-protocol option

**Answer:** C

**Explanation:**

[https://docs.netapp.com/us-en/ontap/networking/revert\\_a\\_lif\\_to\\_its\\_home\\_port.html](https://docs.netapp.com/us-en/ontap/networking/revert_a_lif_to_its_home_port.html)

**NEW QUESTION 27**

You are attempting to establish a SnapMirror relationship between your ONTAP cluster (AcmeClusOI) and a partner company's ONTAP cluster (WidgetsClusOI). The clusters are unable to establish a peering relationship. You perform a packet capture on WidgetsClusOI and do not see any packets from AcmeClusOI. You also discover that the IP subnet that is used for WidgetsClusOI's intercluster LIFs overlaps with a local subnet at your company. In this scenario, which feature would enable AcmeClusOI and WidgetsClusOI 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 29**

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