

➤ **Vendor:** Network Appliance

➤ **Exam Code:** NS0-162

➤ **Exam Name:** NetApp Certified Data Administrator, ONTAP

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QUESTION 42

Your company runs a NetApp AFF A220 cluster as a file server for NFS and SMB. You want to use one of the unused ports to connect a single Windows host directly, using FC. You have converted the UTA2 ports e0e and e0f to FC and equipped them with a 16-Gbps FC transceiver. Your Windows host fails to connect to the storage.

In this scenario, which action solves the problem?

- A. Use the arbitrated loop topology on storage and host
- B. Use an Ethernet switch between storage and host
- C. Use the point-to-point topology on all ports
- D. Use an FC switch between storage and host

Answer: B

QUESTION 43

What establishes a quorum in a 4-node cluster?

- A. TieBreaker
- B. epsilon
- C. cluster peer
- D. ONTAP Mediator

Answer: B

Explanation:

<https://library.netapp.com/ecmdocs/ECMP1196798/html/GUID-EFE1DEF4-8B87-4C4A-8E4E-C6C79F760710.html>

QUESTION 44

Click the Exhibit button.

```
cluster1::> cluster peer show -instance
```

```
Peer Cluster Name: cluster2
Remote Intercluster Addresses: cluster2-d2, 10.98.234.246
Availability of the Remote Cluster: Partial
Remote Cluster Name: cluster2
Active IP Addresses: 10.98.234.246, 10.98.234.243
Cluster Serial Number: 1-80-123456
Remote Cluster Nodes: cluster2-01, cluster2-02
Remote Cluster Health: false
Unreachable Local Nodes: -
Address Family of Relationship: ipv4
Authentication Status Administrative: use-authentication
Authentication Status Operational: ok
Last Update Time: 02/05 21:05:41
IPspace for the Relationship: Default
```

The availability of the remote cluster in the peering relationship shows "Partial". Referring to the exhibit, what is the reason for this status message?

- A. The intercluster LIFs on the local cluster are unavailable and not able to communicate to the remote cluster
- B. The remote cluster does not have its cluster license applied properly
- C. Some nodes in the local cluster are not able to contact some or all nodes in the remote cluster
- D. The local cluster is unable to authenticate successfully to the remote cluster

Answer: C

Explanation:

Some nodes in the local cluster are not able to contact some or all nodes in the remote cluster.

QUESTION 45

You attempt to create an SVM for CIFS access only.

In this scenario, which three actions must be performed to join the existing Active Directory? (Choose three.)

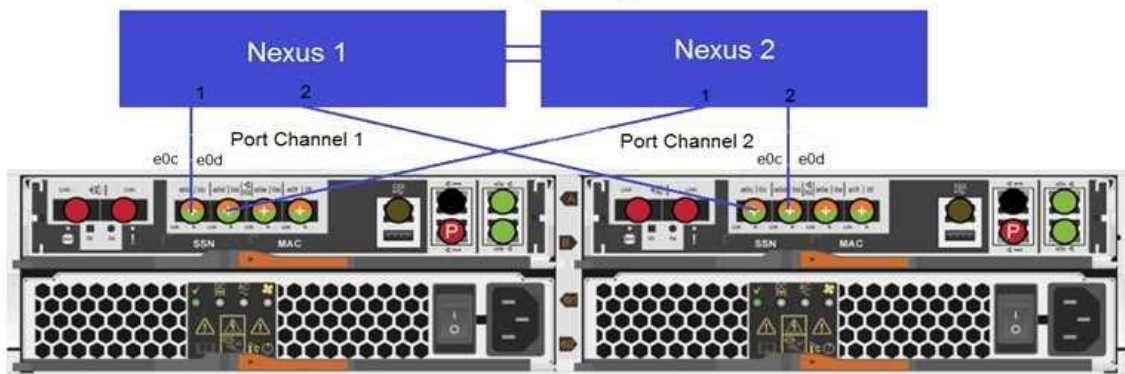
- A. Create DNS entries
- B. Create a cluster LIF
- C. Create a data LIF
- D. Create NTP entries
- E. Create export policies

Answer: ACE

QUESTION 46

Click the Exhibit button.

Correct Design Diagram



Current Connections

```
cluster1::> network device-discovery show
```

Node/ Protocol	Local Port	Discovered Device	Interface	Platform
node1/cdp	e0c	Nexus1 (SS1142311PD)	tengigabitethernet1/1/1	N5K-C5010P-BF
	e0d	Nexus1 (SS1142311PD)	tengigabitethernet1/1/2	N5K-C5010P-BF
node2/cdp	e0c	Nexus2 (SS1142311KK)	tengigabitethernet2/1/2	N5K-C5010P-BF
	e0d	Nexus2 (SS1142311KK)	tengigabitethernet2/1/1	N5K-C5010P-BF

4 entries were displayed.

```
cluster1::> network port ifgrp show
```

Node	Port ifgrp	Distribution Function	MAC Address	Active Ports	Ports
node1	a0a	ip	b8:f8:7a:20:00	partial	e0c, e0d
node2	a0a	ip	07:26:60:02:00	partial	e0c, e0d

You configured LACP between a 2-node AFF 220 system and two Ethernet switches using multichassis Ether-channel for redundancy. You sent the network connection diagram in the exhibit to your network team to cable and configure the switch.

You noticed partial connectivity on the AFF A220 for the interface groups.

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

- A. ONTAP does not have a multichassis Ether-channel feature.
- B. The network team forgot to verify the port channel members.
- C. 10 GbE ports are not supported with the AFF A220.
- D. The storage cabling to the switches is incorrect.

Answer: AD

QUESTION 47

You are asked to separate replication and data traffic into their own individual VLANs. You created two new VLANs and need to create logical interfaces (LIFs).

In this scenario, what must you do before creating the LIFs? (Choose the best answer.)

- A. Create a firewall policy.
- B. Create an interface group.
- C. Create a network subnet.
- D. Create a broadcast domain.

Answer: D

QUESTION 48

Click the Exhibit button.

```
cluster1::> volume show -vserver vs2 -is-constituent *
```

Vserver	Volume	Aggregate	State	Type	Size	Available	Used%
vs2	fg1	-	online	RW	200TB	76TB	62%
vs2	fg1_0001	aggr1	online	RW	25TB	10MB	99%
vs2	fg1_0002	aggr2	online	RW	25TB	12TB	52%
vs2	fg1_0003	aggr1	online	RW	25TB	10TB	60%
vs2	fg1_0004	aggr2	online	RW	25TB	11TB	60%
vs2	fg1_0005	aggr1	online	RW	25TB	10TB	56%
vs2	fg1_0006	aggr2	online	RW	25TB	12TB	52%
vs2	fg1_0007	aggr1	online	RW	25TB	10TB	60%
vs2	fg1_0008	aggr2	online	RW	25TB	11TB	56%

```
cluster1::> aggr show
```

Aggregate	Size	Available	Used%	State	#Vols	Nodes	RAID Status
aggr1	300TB	103.71TB	65%	online	30	cluster1-01	raid_dp, normal
aggr0_root	368.4GB	15.83GB	96%	online	1	cluster1-02	raid_dp, normal
aggr2	300TB	176.51TB	41%	online	25	cluster1-02	raid_dp, normal
aggr0_root	368.4GB	15.83GB	96%	online	1	cluster1-01	raid_dp, normal

4 entries were displayed

You have an ONTAP cluster that is running a FlexGroup that is serving SMB data out to various users. One of the users receives an error when trying to modify an existing file.

What is the cause of the problem? (Choose the best answer.)

- A. The FlexGroup is full
- B. The constituent is full
- C. The FlexGroup is offline
- D. The aggregate is full

Answer: B

QUESTION 49

What are three firewall policies? (Choose three.)

- A. cluster
- B. node
- C. data
- D. mgmt
- E. intercluster

Answer: CDE

QUESTION 50

When deploying NVMe/FC, what must be supported and enabled on the host to ensure proper multipathing? (Choose the best answer.)

- A. NVMe Qualified Names (NQN)
- B. Asynchronous Namespace Access (ANA)
- C. single initiator multiple target zoning
- D. Asymmetric Logical Unit Access (ALUA)

Answer: B

QUESTION 51

You are using NetApp Volume Encryption (NVE) on an AFF system.

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In this scenario, which two key-management solutions are supported for NVE? (Choose two.)

- A. a KMIP server
- B. an SSH key manager
- C. the onboard key management service
- D. an XTS-AES-256 key manager

Answer: AC

QUESTION 52

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

Answer: AD

Explanation: :

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

QUESTION 53

Click the Exhibit button.



A user cannot save a file on an ONTAP SMB share.
Referring to the exhibit, which action allows the user to save the file?

- A. Synchronize the ONTAP Cluster time to the Active Directory time
- B. Let the user save the file to a writeable location
- C. Set the user permission for the share to write
- D. Allow the file type *.rtf in the CIFS Server fpolicy

Answer: B

QUESTION 54

All SMB users are reporting that their network share performance is slow on a new NetApp FAS500f HA pair. You determine that the users have converged network adapters (CNAs) with flow control enabled and no option to disable. In this scenario, which two flow control settings are recommended on the NetApp ONTAP physical ports? (Choose two.)

- A. Disable flow control end-to-end on data network ports
- B. Disable flow control end-to-end on cluster network ports
- C. Enable flow control end-to-end on data network ports
- D. Enable flow control end-to-end on cluster network ports

Answer: BC

QUESTION 55

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

Answer: ABC

QUESTION 56

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. cluster
- C. data
- D. intercluster

Answer: B

QUESTION 57

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

Answer: A

Explanation:

https://thinksystem.lenovofiles.com/storage/help/index.jsp?topic=%2FflexCache_volumes_for_faster_data_access_power_guide%2F61415AA5-00E1-445B-9B49-5539F83E7377_.html

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QUESTION 58

You are the administrator of an ONTAP 9.8 cluster. You have configured an hourly snapshot schedule for all NAS volumes. One of your users accidentally deleted an important spreadsheet file on an SMB share. The file needs to be restored as quickly as possible by the Windows user.

Which statement is correct in this scenario?

- A. In Windows Explorer, right-click on the SMB share where the file was deleted, go to previous versions select the file and copy it to the original location.
- B. On the cluster CLI, execute the volume snapshot restore-file command with the options to select the SnapShot, path, and restore-path.
- C. On the cluster CLI, execute the volume clone create command with the parent-snapshot option set to the latest Snapshot copy and share the cloned volume as an SMB share, then copy the file back.
- D. In ONTAP System Manager, navigate to the volume where the share resides, click on SnapShot copies and restore the latest SnapShot copy.

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-netapp-files/azure-netapp-files-manage-snapshots>

QUESTION 59

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

Answer: B

QUESTION 60

You want to prepare your ONTAP cluster and your ESXi cluster to connect NFS datastores over a 10-GbE network using jumbo frames.

In this scenario, which three configurations would accomplish this task? (Choose three.)

- A. Enable jumbo frames with an MTU of 1500 for your ESXi hosts
- B. Enable jumbo frames with an MTU of 9000 for your ONTAP cluster
- C. Enable jumbo frames with an MTU of 1500 for your ONTAP cluster
- D. Enable jumbo frames with an MTU of 9000 for your ESXi hosts
- E. Enable jumbo frames with an MTU of 9216 for your switches

Answer: BDE

Explanation:

https://library.netapp.com/ecm/ecm_download_file/ECMLP2496234 (9)

QUESTION 61

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

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

Answer: AD

Explanation:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm-vsmg%2FGUID-C1E3029E-1514-4579-939B-67160E849632.html>

QUESTION 62

When you perform an upgrade using ONTAP System Manager 9.8, which two statements are true? (Choose two.)

- A. The images must be manually uploaded to the cluster by using the ONTAP System Manager interface
- B. The latest available images will appear in the ONTAP System Manager interface
- C. The images will be automatically uploaded to the cluster by using the ONTAP System Manager interface from the NetApp Support site
- D. The update history is available within the ONTAP System Manager interface

Answer: BD