



# NS0-157<sup>Q&As</sup>

NetApp Certified Data Administrator, Clustered Data ONTAP

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**QUESTION 1**

A user is reporting trouble using a SVM management LIF. You have verified host configuration, network connectivity, and that the LIF responds to pings.

What should you do to continue troubleshooting this problem?

- A. Ensure the SVM management LIF's failover policy is correct.
- B. Ensure the SVM management LIF's administrative status is up.
- C. Ensure the SVM management LIF is on its home port.
- D. Ensure the SVM management LIF's firewall policy is set to management.

Correct Answer: A

You must have prepared the SVM networking for a major upgrade by creating the necessary SVM management LIFs, failover groups, and routes. Reference: <https://library.netapp.com/ecmdocs/ECMP1636041/html/GUID-5B0E96CF-78F8-40B9-A62D-C5A6E62A53D7.html>

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**QUESTION 2**

Which statement is true about establishing a SnapMirror relationship in clustered data ONTAP?

- A. It sets up the relationship, but does not start the initial transfer
- B. It sets up the relationship on the source node only
- C. It sets up the relationship and starts the initial data transfer
- D. It sets up the relationship and creates the destination volume

Correct Answer: A

**QUESTION 3**

Which types of LIFs can be assigned a user-defined failover group? (choose all that apply)

- A. Cluster LIF
- B. Node-management LIF
- C. Cluster-management LIF
- D. NAS data LIF (NFS,CIFS)
- E. SAN data LIF (iSCSI, FC)



Correct Answer: BCD

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#### QUESTION 4

How many disks reside in a DS4246 shelf?

- A. 46
- B. 42
- C. 14
- D. 24

Correct Answer: D

<http://www.netapp.com/uk/products/storage-systems/disk-shelves-and-storage-media/disk-shelves-techspecs.aspx>(See the Table).

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#### QUESTION 5

Which statement is true about expanding an aggregate from 32-bit to 64-bit in place?

- A. All aggregates are automatically converted from 32-bit to 64-bit with the Data ONTAP 8.1 upgrade.
- B. The expansion is triggered by an aggr convert command.
- C. The expansion is triggered by adding disks to exceed 16 TB.
- D. The 32-bit aggregates are degraded and must be Volume SnapMirrored to a new 64-bit aggregates with Data ONTAP 8.1 upgrade.

Correct Answer: C

The expansion process is triggered only when you add disks to a 32-bit aggregate such that the resulting aggregate capacity is greater than 16tb. When disks are added, if the resulting capacity is less than 16TB, the aggregate will continue to be 32-bit. Add enough storage to a 32-bit aggregate to increase the size beyond 16TB. Link:

<http://www.netapp.com/us/system/pdf-reader.aspx?m=tr-3978.pdf&ndcc=us>

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#### QUESTION 6

Which are types of failover groups? (choose all that apply)

- A. System-defined
- B. User-defined
- C. Next Available
- D. Priority



E. Clusterwide

Correct Answer: ABE

Types of failover groups

Failover groups for LIFs can be system-defined or user-defined. Additionally, a failover group called clusterwide exists and is maintained automatically.

Failover groups are of the following types:

System-defined failover groups: Failover groups that automatically manage LIF failover targets on a per-LIF basis.

This is the default failover group for data LIFs in the cluster.

For example, when the value of the failover-group option is system-defined, the system will automatically manage the LIF failover targets for that LIF, based on the home node or port of the LIF.

Note: All the network ports should be assigned correct port roles, and all the network ports of the same role should be in the same subnet.

User-defined failover groups: Customized failover groups that can be created when the system-defined failover groups do not meet your requirements.

For a system with ports of the same role connected to multiple subnets, each LIF requires a user-defined failover group with a failover group for each subnet.

You can create a failover group consisting of all 10-GbE ports that enables LIFs to fail over only to the high-bandwidth ports.

Clusterwide failover group: Failover group that consists of all the data ports in the cluster.

This is the default failover group for the cluster-management LIFs only.

For example, when the value of the failover-group option is cluster-wide, every data port in the cluster will be defined as the failover targets for that LIF."

<https://library.netapp.com/ecmdocs/ECMP1401193/html/GUID-9600E800-B8E6-4A78-B97B912459BEFD63.html>

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## QUESTION 7

In Data ONTAP 8.1.1 Cluster-Mode, what is the maximum TCP read size for an NFSv3 client?

A. 1,048,576 bytes

B. 32,768 bytes



C. 65,536 bytes

D. 2,097,152 bytes

Correct Answer: A

<https://library.netapp.com/ecmdocs/ECMP1136576/html/GUID-678ABF68-C8884517A51DA98BD96CA851.html>

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### QUESTION 8

Which three disk-type configurations are supported for Flash Pool? (Choose three)

A. FC and SAS

B. FC and SSD

C. SATA and SAS

D. SATA and SSD

E. SSD and SAS

Correct Answer: BDE

Link: [https://library.netapp.com/ecm/ecm\\_download\\_file/ECMP1196912](https://library.netapp.com/ecm/ecm_download_file/ECMP1196912)

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### QUESTION 9

You just added a vSphere host to your environment that needs access to the existing NFS datastore. The applicable export policy is named VMW, and each host's IP address has been given access.

What should you do to grant the new host access to the NFS datastore?

A. Create a new volume.

B. Create a new rule under the VMW export policy.

C. Create a new SVM.

D. Create a new export policy for the new host.

Correct Answer: A

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### QUESTION 10

Which of the following Vserver types are created automatically by the cluster setup process? (choose all that apply)

A. Management

B. Admin



C. Cluster

D. Node

E. Data

F. Diagnostic

Correct Answer: BD

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### QUESTION 11

A company has a vault relationship between ClusterA and ClusterB. After a month of operations, the SnapVault update fails. The primary and secondary volumes have been thin provisioned and are reporting available space. There is connectivity between ClusterA and ClusterB.

What caused the update failure?

A. The primary volume's aggregate is full.

B. The secondary volume's aggregate is full.

C. A cluster peering relationship was not refreshed every month.

D. There are 251 Snapshot copies on the destination SnapVault.

Correct Answer: C

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### QUESTION 12

The Catalyst 2960 can be used only on the management network for clusters that have \_\_\_\_\_ nodes.

A. 12

B. 16

C. 18

D. 20

E. 24

Correct Answer: E

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### QUESTION 13

What are four characteristics of a NAS LIF? (Choose four.)

A. It has a logical interface connection.

B. It can be associated with a Fibre Channel port.



- C. It can be associated with a WWPN.
- D. It can be associated with an Ethernet port.
- E. It can be associated with an interface group (ifgrp)
- F. It can be associated with an IP address.

Correct Answer: ADEF

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#### QUESTION 14

With clustered Data ONTAP 8.2 or later, an administrator may use NDMP commands at which two levels? (Choose Two)

- A. Node
- B. Cluster
- C. Intercluster
- D. Vserver

Correct Answer: AD

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#### QUESTION 15

Which two solutions are valid for clustered Data ONTAP MetroCluster? (Choose two.)

- A. FAS3200 series controllers
- B. FAS2500 series controller
- C. four nodes at each site
- D. two nodes at each site

Correct Answer: AD

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