

# NetApp Certified Data Administrator (NS0-162)

1. Exhibit.

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

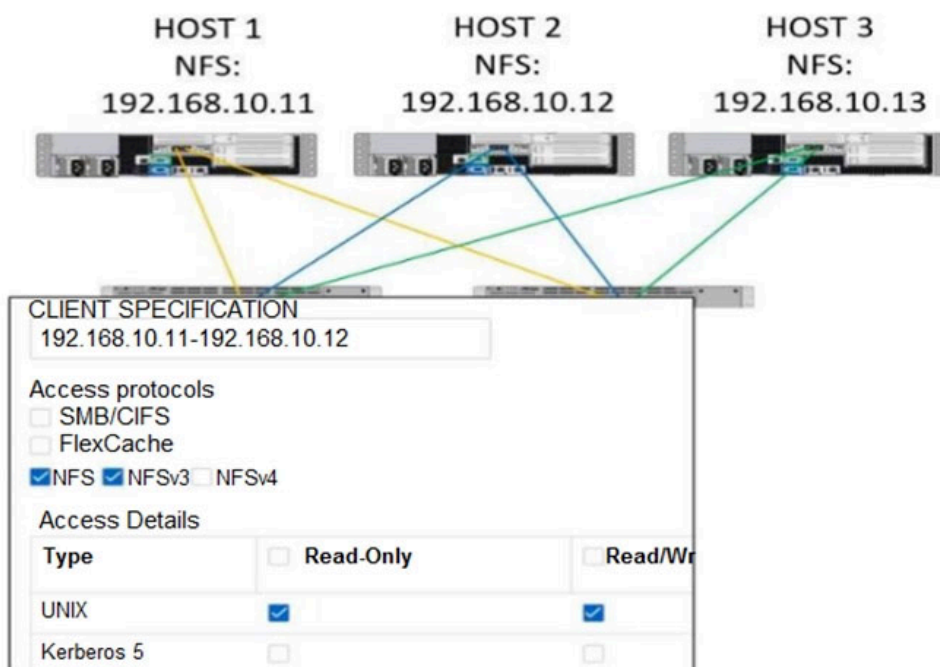
```
cluster1::> lun show -vserver svm2_cluster1 -volume data -fields space-reserve,space-all
vserver      path      space-reserve  space-allocation
-----
svm2_cluster1 /vol/data/lun disabled       disabled
```

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(s): A D

2. Exhibit.



You recently added a new ESXi host to your VMware vSphere cluster. However, you cannot mount any of the existing NFS datastores to the host. Referring to the exhibit, which action solves the problem?

- A. Add NFSv4 to the access protocols.
- B. Enable Kerberos in the export policy.
- C. Add SMB/CIFS to the access protocols.
- D. Add HOST 3's IP address to the NFS export policy.

**Answer(s): D**

3. 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 data LIF.
- C. Create export policies.
- D. Create NTP entries.
- E. Create a cluster LIF.

**Answer(s): A B D**

4. Exhibit.

Network Interfaces

Interface Name	Storage Virtual Machine (SVM)	IP Address/WWN	Current P...	Home Port	Data Protocol Access
epic_2_n1_2a	epic_2	20:2b:00:a098:e2:27:ce	A800_1:2a	Yes	fc_nvme
epic_2_n2_2a	epic_2	20:2a:00:a098:e2:27:ce	A800_2:2a	Yes	fc_nvme
epic_fcp_n1_2a	epic_fcp	20:05:00:a098:e2:27:ce	A800_1:2a	Yes	fc
epic_fcp_n1_3a	epic_fcp	20:07:00:a098:e2:27:ce	A800_1:3a	Yes	fc
epic_fcp_n2_2a	epic_fcp	20:25:00:a098:e2:27:ce	A800_2:2a	Yes	fc
epic_fcp_n2_3a	epic_fcp	20:39:00:a098:e2:27:ce	A800_2:3a	Yes	fc
epic_1_n1_2a	epic_1	20:28:00:a098:e2:27:ce	A800_1:2a	Yes	fc_nvme
epic_1_n2_2a	epic_1	20:29:00:a098:e2:27:ce	A800_2:2a	Yes	fc_nvme
epic_2_n1_3a	epic_2	20:37:00:a098:e2:27:ce	A800_1:3a	Yes	fc_nvme
epic_2_n2_3a	epic_2	20:38:00:a098:e2:27:ce	A800_2:3a	Yes	fc_nvme
A800_1_fc_if_1	storage_eff	20:14:00:a098:e2:27:ce	A800_1:2c	Yes	fc
A800_2_fc_if_1	storage_eff	20:15:00:a098:e2:27:ce	A800_2:2c	Yes	fc

Referring to the exhibit, what would cause a customer to have an Issue with SVM epic\_fcp when mapping a namespace to a host?

- A. FC has not been licensed on the cluster.
- B. NVMe Is not configured for the SVM.
- C. FC switch zoning has not been done correctly.
- D. NVMe is not licensed on the cluster.

**Answer(s): B**

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5. 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(s): B C**

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

A. NFS

B. SCSI

C. NVMe

D. FCP

E. CIFS

**Answer(s): A B E**

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7. 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(s): D**

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8. 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. Enable flow control end-to-end on cluster network ports.

C. Enable flow control end-to-end on data network ports.

D. Disable flow control end-to-end on cluster network ports.

**Answer(s):** C D

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**9.** 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 9000 for your ESXi hosts.

B. Enable jumbo frames with an MTU of 9216 for your switches.

C. Enable Jumbo frames with an MTU of 1500 for your ESXi hosts.

D. Enable Jumbo frames with an MTU of 1500 for your ONTAP cluster.

E. Enable Jumbo frames with an MTU of 9000 for your ONTAP cluster.

**Answer(s):** A B E

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**10.** 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. 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.

B. On the cluster CLI, execute the volume snapshot restore-file command with the options to select the Snapshot, path, and restore-path

C. In ONTAP System Manager, navigate to the volume where the share resides, click on snapshot copies and restore the latest Snapshot copy.

D. 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.

**Answer(s):** D

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**11.** 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(s): C**

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12. You are the administrator of an ONTAP 9.8 cluster. Your company wants to know how many files are in the NAS volumes of the cluster and how old these files are.

Which two tools fulfill this requirement? (Choose two.)

A. Active IQ Config Advisor

B. Active IQ Unified Manager

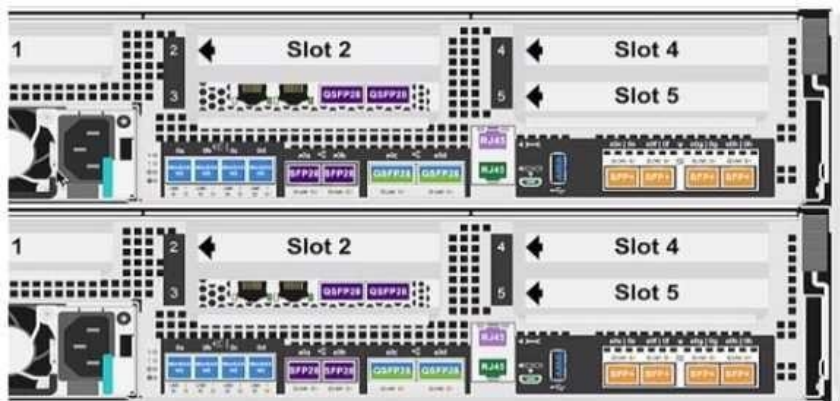
C. ONTAP System Manager

D. ONTAP CLI

**Answer(s): C D**

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13. 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 Config Advisor

D. NetApp Hardware Universe (HWU)

**Answer(s): D**

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14. Your company wants their newly Installed ONTAP system to automatically send telemetry data to NetApp to provide early notification of any security risks, bug fixes, and ONTAP updates. Furthermore, in case of hardware failures, a support case should be opened automatically at NetApp.

Which two NetApp components satisfy the requirements? (Choose two.)

A. Cloud Insights

B. Active IQ

C. ONTAP AutoSupport

D. Active IQ Unified Manager

**Answer(s): B C**

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15. 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(s): C D**

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16. 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(s): B C**

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17. You need to configure data-at-rest encryption for your NetApp ONTAP 9.8 cluster. Your company does not have Key Management Interoperability Protocol (KMIP) services available but must require a passphrase to be entered when a node is rebooted.

In this scenario, which two actions should be performed to satisfy these requirements? (Choose two.)

A. Configure an external key management server.

B. Enable onboard key management.

C. Enable cluster-wide FIPS-compliant mode.

D. Enable common criteria mode.

**Answer(s):** B D

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18. You are asked by your network engineering team to make sure that your NetApp cluster is configured to run LACP on its network ports. Which network component satisfies this request?

A. VLAN

B. Interface group

C. broadcast domain

D. failover group

**Answer(s):** B

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19. Which two statements are true about NVMe? (Choose two.)

A. NQNs are added to namespaces.

B. LUNs are mapped to Initiator groups.

C. NQNs are added to subsystems.

D. Namespaces are mapped to subsystems.

**Answer(s):** C D

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20. 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(s):** B

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