

## Prepare for your exam certification with our NS0-162 Certified Network Appliance [Q26-Q50]



### Prepare for your exam certification with our NS0-162 Certified Network Appliance Free Network Appliance NS0-162 Exam 2022 Practice Materials Collection

NetApp NS0-162 Exam Topics: **Section Objectives Core ONTAP**-Describe ONTAP system management.

- Describe high availability concepts.
- Describe how to manage Storage Virtual Machines (SVM).Performance-Demonstrate knowledge of how to administer ONTAP performance.
- Demonstrate knowledge of how to troubleshoot storage system performance.NAS Solutions-Describe how to use NAS solutions.
- Demonstrate knowledge of how to troubleshoot NAS solutions.Logical Storage-Describe how to use logical storage features.
- Describe NetApp storage efficiency features.
- Describe NetApp ONTAP Data Fabric solutions.SAN Solutions and Connectivity-Describe how to use SAN solutions.

- Demonstrate knowledge of how to troubleshoot SAN solutions.Security-Describe protocol security.
- Describe security hardening.
- Describe inflight or at rest encryption.
- Identify SnapLock concepts.Storage Platforms-Describe knowledge of physical storage systems.
- Describe software-defined on-premises or cloud storage systems.
- Describe how to upgrade or scale ONTAP clusters.

## QUESTION 26

Exhibit.

```
cluster::> network interface show -vserver SVM_A -fields data-protocol
vserver      lif      data-protocol address
-----
SVM_A        lif-SVM-A      nfs,cifs      10.0.1.250

cluster::> volume show -fields vserver, volume, aggregate, policy, junction-path -vserver SVM_A
vserver volume      aggregate policy      junction-path
-----
SVM_A SVM_A_root aggr1 policy-vol_a /
SVM_A VOL_A aggr2 policy-vol_a -
2 entries were displayed.

cluster::> export-policy rule show -vserver SVM_A -policyname policy-vol_a
Vserver      Policy      Rule      Access Client      RO
Name         Index      Protocol Match      Rule
-----
SVM_A        policy-vol_a  1      any      10.0.1.0/24      any
```

A Linux host with the 10.0.1.24 IP address is unable to mount the VOL\_A volume using NFSv3.

Referring to the exhibit, what is the problem?

- \* The host IP address does not match the export policy rule.
- \* The volume is in read-only.
- \* The volume is not mounted in the namespace.
- \* The logical interface does not allow the NFSv3 protocol.

## QUESTION 27

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?

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

### QUESTION 28

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.)

- \* Active IQ Config Advisor
- \* Active IQ Unified Manager
- \* ONTAP System Manager
- \* ONTAP CLI

### QUESTION 29

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.)

- \* Enable jumbo frames with an MTU of 9000 for your ESXi hosts.
- \* Enable jumbo frames with an MTU of 9216 for your switches.
- \* Enable Jumbo frames with an MTU of 1500 for your ESXi hosts.
- \* Enable Jumbo frames with an MTU of 1500 for your ONTAP cluster.
- \* Enable Jumbo frames with an MTU of 9000 for your ONTAP cluster.

### QUESTION 30

Click the Exhibit button.

Referring to the exhibit, what happens to the space in the volume if the Space Reserve option is set to `Enable`?

- \* The LUN does not use any space from the volume since it is thin provisioned.
- \* The volume grows by 100 GB to handle the LUN size of 100 GB.
- \* The volume shows that 100 GB has been allocated to the LUN.
- \* The volume shrinks by 100 GB to provide the LUN 100 GB of space to use.

### QUESTION 31

You want to scale out storage performance for read-Intensive data across multiple locations. In this scenario, which NetApp feature accomplishes this task?

- \* FlexClone
- \* FlexVol
- \* FlexCache
- \* Flash Pool

### QUESTION 32

You are currently using SnapMirror Synchronous (SM-S) to protect a critical workload at your organization and you want to convert the SnapMirror policy from Sync to StrictSync.

In this scenario, which procedure allows you to achieve this task?

- \* Recreate the SnapMirror relationship, specifying the strictsync policy, then re-synchronize it.
- \* Modify the existing SnapMirror relationship specifying the strictsync policy, then re-synchronize It.
- \* Recreate the SnapMirror relationship, specifying the strictsync policy, then promote It.
- \* Modify the existing SnapMirror relationship specifying the strictsync policy, then promote It.

KB included in the reference also confirms C is the correct answer. Here is another KB also confirming;

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-dap%2FGUID-AE2302D3-E489-43FE-B64F-1D351DAC6787.html>

### QUESTION 33

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

- \* admin
- \* node
- \* data
- \* cluster

### QUESTION 34

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.)

- \* Cloud Insights
- \* Active IQ
- \* ONTAP AutoSupport
- \* Active IQ Unified Manager

Cases can be initiated automatically by our systems installed at customer sites via our ActiveIQ/AutoSupport technology. Source:

<https://mysupport.netapp.com/site/info/policies-and-offerings>

### QUESTION 35

Which security method would be used to authenticate targets and Initiators In an ISCSI environment?

- \* NIS
- \* LDAP
- \* /etc/hosts
- \* CHAP

### QUESTION 36

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

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.)

- \* ONTAP reports that the volume is using 10 GB of its containing aggregate.
- \* ONTAP reports the volume as 20% full.
- \* ONTAP reports that the volume is using 100 GB of its containing aggregate.
- \* ONTAP reports the volume as 10% full.

### QUESTION 37

Exhibit.

Miss&#8212;&#8212;&#8212;&#8212;&#8212;&#8211;

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?

- \* Create a DNS load balancing zone.
- \* Split the broadcast domain.
- \* Create an IPspace.
- \* Change the LIF&#8217;s failover policy to sfo-partner-only

### QUESTION 38

You are asked to deploy a two-node ONTAP Select system. The physical hardware is located in two different locations. You must ensure high availability and automated switchover.

Which two steps would you take to satisfy this requirement? (Choose two)

- \* Use ONTAP Select Deploy to install the nodes on the physical hardware.
- \* Ensure that the SyncMirror license is installed on the cluster.
- \* Ensure that the ONTAP Select Deploy VM resides at a third location other than the two datacenters.
- \* Use Active IQ Unified Manager to provide a quorum for the two nodes.

### QUESTION 39

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.)

- \* Configure an external key management server.
- \* Enable onboard key management.
- \* Enable cluster-wide FIPS-compliant mode.
- \* Enable common criteria mode.

### QUESTION 40

You are currently using SnapMirror Synchronous (SM-S) to protect a critical workload at your organization and you want to convert the SnapMirror policy from Sync to StrictSync.

In this scenario, which procedure allows you to achieve this task?

- \* Recreate the SnapMirror relationship, specifying the strictsync policy, then re-synchronize it.
- \* Modify the existing SnapMirror relationship specifying the strictsync policy, then re-synchronize it.
- \* Recreate the SnapMirror relationship, specifying the strictsync policy, then promote it.
- \* Modify the existing SnapMirror relationship specifying the strictsync policy, then promote it.

### QUESTION 41

You have a new ONTAP 9.7 2-node AFF A300 cluster with 2x DS224C full shelves of 3.8 TB encrypted SSDs.

In this scenario, which statement matches the factory disk-ownership setting?

- \* All even-numbered drives on each shelf are assigned to one node, and all odd-numbered drives on each shelf are assigned to the partner node.
- \* Disk ownership is not assigned by the factory.
- \* All drives on shelf 1 are assigned to one node, and all drives on shelf 2 are assigned to the partner node.
- \* Drives 0-11 on each shelf are assigned to one node, and drives 12-23 on each shelf are assigned to the partner node.

### QUESTION 42

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.)

- \* Cloud Insights
- \* Active IQ
- \* ONTAP AutoSupport

\* Active IQ Unified Manager

### QUESTION 43

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

- \* LUN-level compression
- \* aggregate-level compression
- \* aggregate-level inline deduplication
- \* volume-level Inline deduplication

### QUESTION 44

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.)

- \* Disable flow control end-to-end on data network ports.
- \* Enable flow control end-to-end on cluster network ports.
- \* Enable flow control end-to-end on data network ports.
- \* Disable flow control end-to-end on cluster network ports.

### QUESTION 45

Click the Exhibit button.

Referring to the exhibit, which volume has a snap reserve value set to zero (0)?

- \* netapp\_no1
- \* netapp\_esx\_m1
- \* netapp\_lnx\_mi
- \* netapp\_esx

### QUESTION 46

Exhibit.

Miss&#8212;&#8212;&#8212;&#8212;&#8212;&#8211;

The availability of the remote cluster in the peering relationship shows &#8220;Partial.&#8221; Referring to the exhibit, what is the reason for this status message?

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

### QUESTION 47

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

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.)

- \* ONTAP reports that the volume is using 10 GB of its containing aggregate.
- \* ONTAP reports the volume as 20% full.
- \* ONTAP reports that the volume is using 100 GB of its containing aggregate.
- \* ONTAP reports the volume as 10% full.

#### QUESTION 48

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

- \* space SLO set to `thick`;
- \* space guarantee set to `none`;
- \* space SLO set to `semi-thick`;
- \* space guarantee set to `volume`;

#### QUESTION 49

Which two components are required for committing data to a WORM volume? (Choose two.)

- \* You must create a SnapLock Aggregate.
- \* You must license SnapLock.
- \* You must create a SnapLock SVM.
- \* You must create a SnapLock volume.

#### QUESTION 50

You have an ESXi cluster with VMware VMFS LUNs on an AFF A400 system. After troubleshooting performance issues, you determine that timeout best practices are not set on the hosts.

In this scenario, which NetApp tool would apply the best practice settings?

- \* SnapCenter Plug-in for VMware vSphere
- \* SAN Host Utilities
- \* Virtual Storage Console (VSC)
- \* SnapManager

Reference:

Virtual Storage Console for VMware vSphere checks and sets the ESXi host multipathing settings and HBA timeout settings that work best with NetApp storage systems.



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