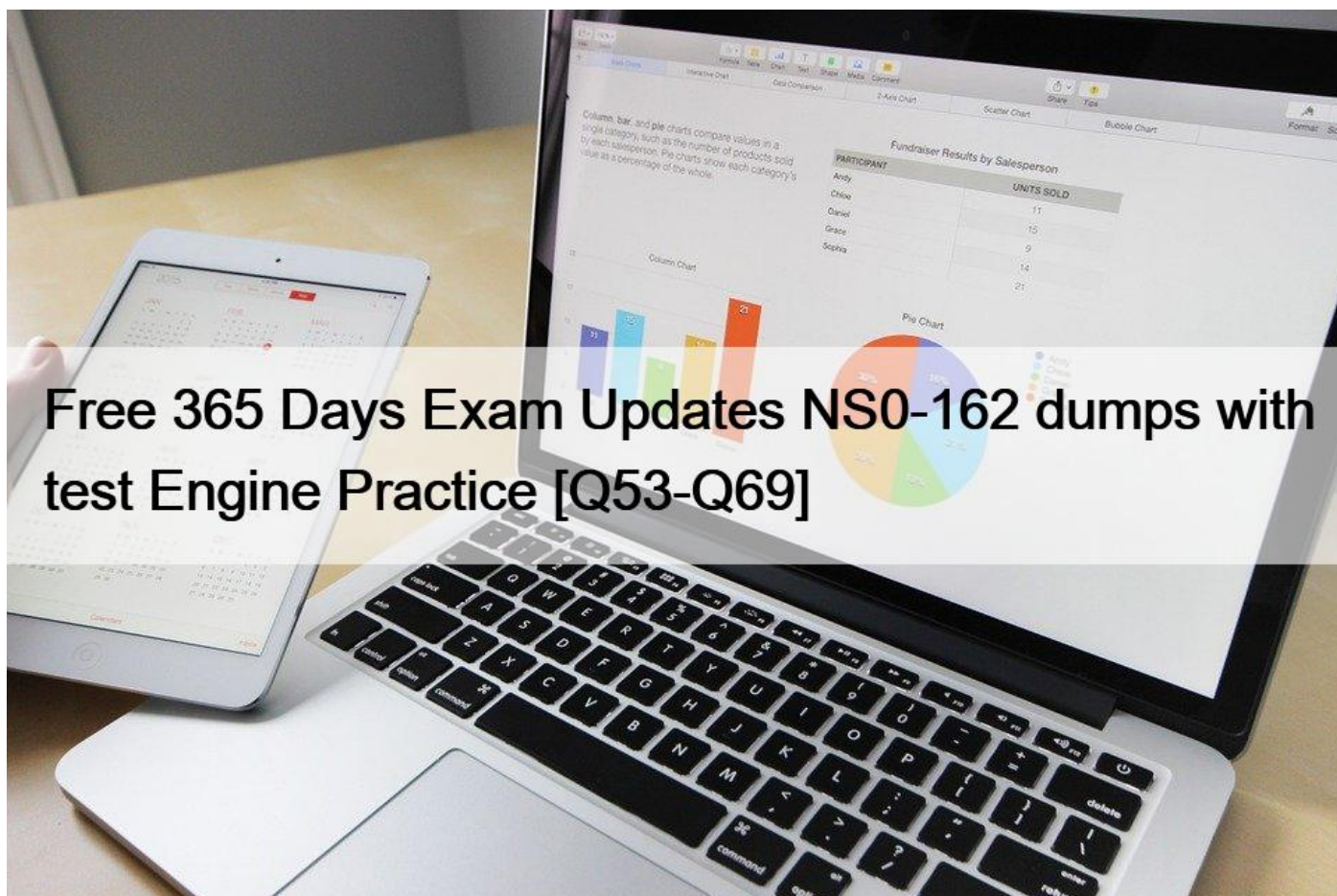


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NO.53 You are asked to deploy a 2-node ONTAP Select cluster. The physical hardware is located in two different locations and you want the aggregates mirrored synchronously between the two data centers. You must ensure high availability and automated switchover.

In this scenario, which two steps would you take to fulfill this requirement? (Choose two.)

- * Ensure that the ONTAP Select Deploy VM resides at a third location other than the two data centers.
- * Install the SnapMirror Sync license on the cluster.
- * Use ONTAP Mediator service to make sure that you have a quorum for the two nodes.
- * Use ONTAP Select Deploy to install the nodes on the physical hardware.

NO.54 An application owner at your organization requests a solution for zero RTO in the event of a failure in your primary data center, where you are using NetApp ONTAP 9.8 software with iSCSI LUNs. The owner wants to avoid reconfiguring the application.

Which NetApp solution would you propose to fulfill these requirements?

- * SyncMirror
- * SnapMirror Business Continuity (SM-BC)
- * SVM Disaster Recovery (SVM DR)
- * SnapMirror Synchronous (SMS)

NO.55 Which security method would be used to authenticate targets and Initiators In an ISCSI environment?

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

NO.56 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?

- * VLAN
- * Interface group
- * broadcast domain
- * failover group

NO.57 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
-----
Vserver 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.

NO.58 A node fails on an HA configuration. A successful failover occurs, but your clients that are using the SMB protocol complain that they are not able to access their data.

In this scenario, what caused the problem?

- * The surviving node is not licensed for CIFS.
- * One of the cluster Interconnect ports on the surviving node failed.
- * The quota for the qtree has been reached.
- * The disk ownership did not transfer correctly.

NO.59 You have commissioned a new AFF A250 MetroCluster over IP configuration. Your company requires an automatic switchover to the surviving site in case of a site disaster.

What do you need to configure to fulfill this requirement?

- * cluster failover
- * ONTAP Mediator service
- * storage failover
- * automated unplanned switchover

Reference:

Starting with ONTAP 9.7, the ONTAP Mediator service can assist the MetroCluster IP configuration in performing an automatic unplanned switchover by providing a physically separate repository for status information.

NO.60 Which security method would be used to authenticate targets and Initiators in an iSCSI environment?

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

NO.61 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.)

- * Increase the number of files permitted on the volume.
- * Set the space guarantee to `‘volume”`.
- * Set the fractional reserve to `“0”`.
- * Increase the size of the volume.

NO.62 Exhibit.

Miss—————–

The availability of the remote cluster in the peering relationship shows `“Partial.”`

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.

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

Partial `–` The peer cluster availability status will be Partial only if some nodes in the local cluster are not able to contact some or all nodes in the peer cluster.

https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-cmpr-991/cluster__peer__show.html?cp=5_1_10_18_5

NO.63 Which SVM subtype is used by an SVM-DR target?

- * sync-source
- * dp-destination
- * data
- * default

NO.64 Your company has purchased two NetApp AFF A400 HA pairs. During deployment, how many root aggregates are created?

- * 6
- * 4
- * 2
- * 8

NO.65 You want to enable the Internal ONTAP engine that quickly Identifies the file and directory differences between two Snapshot copies. In this scenario, which feature would accomplish this task?

- * SnapVault
- * SnapCenter
- * SnapDiff
- * SnapLock

NO.66 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.

NO.67 Which two statements are true about NVMe? (Choose two.)

- * NQNs are added to namespaces.
- * LUNs are mapped to Initiator groups.
- * NQNs are added to subsystems.
- * Namespaces are mapped to subsystems.

Reference:

Add the host NQN to the subsystem: `vserver nvme subsystem host add -vserver SVM_name -subsystem Subsystem_name -host-nqn Host_NQN:subsystem.Subsystem_name`
Map the namespace to the subsystem: `vserver nvme subsystem map add -vserver SVM_name -subsystem subsystem_name -path path`

NO.68 Exhibit.

```

Cluster1::> network interface show
-----
Vserver   Logical   Status   Network   Current   Current   Is
Interface Admin/Oper Address/Mask Node       Port      Home
-----
Cluster
Cluster1_Node1_Clus1
up/up     169.254.69.170/16 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?

- * the subnet-name option
- * the failover-policy option
- * the auto-revert option
- * the data-protocol option

NO.69 Click the Exhibit button.

You have a Linux host that is unable to access the namespace shown in the exhibit.

What is causing the problem?

- * Additional LIFs are required to support the Linux host.
- * Additional NVMe namespaces are required for the Linux host.
- * A subsystem containing the Linux host's NQN must be provisioned.
- * The block size must be 8 KB to support the Linux host filesystem.

NetApp NS0-162 Exam Topics: **Section Objectives** Logical Storage-Describe how to use logical storage features.

-Describe NetApp storage efficiency features.

-Describe NetApp ONTAP Data Fabric solutions.Data Protection-Describe how to use ONTAP data protection solutions.

-Describe how to use SnapMirror.

- Identify MetroCluster concepts.Core ONTAP-Describe ONTAP system management.
- Describe high availability concepts.
- Describe how to manage Storage Virtual Machines (SVM).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.Performance-Demonstrate knowledge of how to administer ONTAP performance.
- Demonstrate knowledge of how to troubleshoot storage system performance.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.NAS Solutions-Describe how to use NAS solutions.
- Demonstrate knowledge of how to troubleshoot NAS solutions.

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