

Network-Appliance

Exam Questions NS0-162

NetApp Certified Data Administrator, ONTAP



NEW QUESTION 1

You have finished deploying a NetApp AFF A400 cluster.

Before you place the array into production, which two tools should be used to validate the deployment? (Choose two.)

- A. OnCommand Workflow Automation
- B. Active IQ Unified Manager
- C. Active IQ Config Advisor
- D. Active IQ Web site

Answer: AB

NEW QUESTION 2

You have an Internet of Things (IoT) application that will use SMB shares on a remote ONTAP Select Instance. There are no name services and only a local network is available at the remote IoT site.

In this scenario, which two features are supported by ONTAP software for the IoT application? (Choose two.)

- A. Active Directory users
- B. SMB Server in workgroup mode
- C. SMB3 Witness protocol
- D. CIFS local users

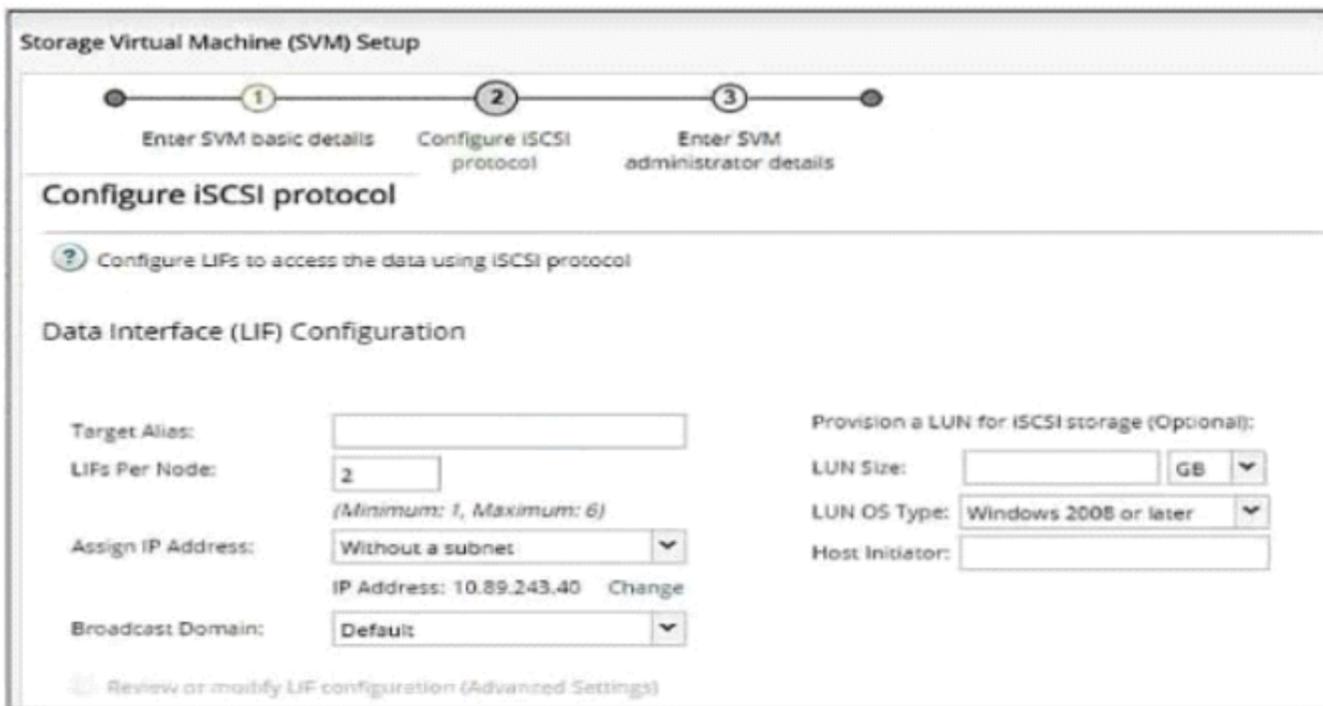
Answer: BD

Explanation:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/Is_Workgroup_Mode

NEW QUESTION 3

Exhibit



You have a 4-node cluster.

How many iSCSI LIFs will be created from the SVM setup wizard, as shown in the exhibit?

- A. 8
- B. 6
- C. 16
- D. 2

Answer: A

NEW QUESTION 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:a0:98:e2:27:ce	A800_1:2a	Yes	fc_nvme
epic_2_n2_2a	epic_2	20:2a:00:a0:98:e2:27:ce	A800_2:2a	Yes	fc_nvme
epic_fcp_n1_2a	epic_fcp	20:05:00:a0:98:e2:27:ce	A800_1:2a	Yes	fc
epic_fcp_n1_3a	epic_fcp	20:07:00:a0:98:e2:27:ce	A800_1:3a	Yes	fc
epic_fcp_n2_2a	epic_fcp	20:25:00:a0:98:e2:27:ce	A800_2:2a	Yes	fc
epic_fcp_n2_3a	epic_fcp	20:39:00:a0:98:e2:27:ce	A800_2:3a	Yes	fc
epic_1_n1_2a	epic_1	20:28:00:a0:98:e2:27:ce	A800_1:2a	Yes	fc_nvme
epic_1_n2_2a	epic_1	20:29:00:a0:98:e2:27:ce	A800_2:2a	Yes	fc_nvme
epic_2_n1_3a	epic_2	20:37:00:a0:98:e2:27:ce	A800_1:3a	Yes	fc_nvme
epic_2_n2_3a	epic_2	20:38:00:a0:98:e2:27:ce	A800_2:3a	Yes	fc_nvme
A800_1_fc_lif_1	storage_eff	20:14:00:a0:98:e2:27:ce	A800_1:2c	Yes	fc
A800_2_fc_lif_1	storage_eff	20:15:00:a0:98: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: B

NEW QUESTION 5

Exhibit.

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

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

NEW QUESTION 6

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: D

NEW QUESTION 7

Windows 2019 reports 500 GB of free space on a disk; however, on the storage side, the LUN has 0 bytes free.

When the host deletes files on the disk, auto reclaim on the thin-provisioned LUN does not occur. In this scenario, which action should you take to enable space reclamation?

- A. Set the space allocation option to disable.
- B. Set the space allocation option to enable.
- C. Enable space guarantees on the volume.
- D. Enable space guarantees on the LUN.

Answer: B

NEW QUESTION 8

Exhibit

```
cluster::> volume show -vserver SVM_A
Vserver      Volume      Aggregate    State      Type      Size      Available  Used%
-----
SVM_A        SVM_A_root  aggr1        online     RW         1GB       970.7MB    0%
SVM_A        VOL_A       aggr1        online     RW         100GB     95.00GB    0%
2 entries were displayed.

cluster::> qos adaptive-policy-group show -policy-group apg-VOL-A

      Name: apg-VOL-A
      Vserver: SVM_A
      Uuid: 402a3ae5-6ba3-11eb-ba3a-00a0988887c0
      ID: 13773
      Expected IOPS: 1000IOPS/TB
      Peak IOPS: 2000IOPS/TB
      Absolute Minimum IOPS: 500IOPS
      Expected IOPS Allocation: allocated-space
      Peak IOPS Allocation: used-space
      Block Size: ANY
      Number of Workloads: 1
```

Referring to the exhibit, what is the maximum possible IOPS for the VOL_A volume?

- A. 1000 IOPS
- B. 500 IOPS
- C. 2000 IOPS
- D. 100 IOPS

Answer: C

NEW QUESTION 9

Exhibit.

Op	Size	Total	Failed	Latency (ms)			Throughput
				min	max	avg	
PUT	4MB	50000	0	273	10500	719	277.3MB
GET	4KB	5000000	0	4	9591	38	48.46MB
GET	0KB	5000000	9	5	10021	37	123.3MB
GET	32KB	5000000	0	7	7009	60	475.3MB
GET	256KB	2125276	0	21	7838	450	530.7MB

You have a NetApp AFF A400 HA pair with Fabric Pool enabled on all data using the snapshot-only policy. Users are reporting slow restores when they recover files with the Windows Previous Versions tab.

Referring to the exhibit, what is the highest latency seen on restore?

- A. 10500
- B. 10021
- C. 9591
- D. 7889

Answer: B

Explanation:

the user retrieve files, which is a GET operation. You can use the S3 GET Object request to retrieve an object from an S3 bucket.
<https://docs.netapp.com/sgws-113/index.jsp?topic=%2Fcom.netapp.doc.sg-s3%2FGUID-8B7BB6D4-FA59-4E8>

NEW QUESTION 10

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: D

Explanation:

<https://docs.netapp.com/ontap-9/topic/com.netapp.doc.pow-fc-mgmt/GUID-AE9CC59E-BE3B-4185-B018-E3F>

NEW QUESTION 10

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

- A. admin
- B. node
- C. data
- D. cluster

Answer: AB

NEW QUESTION 12

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?

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

Answer: A

NEW QUESTION 17

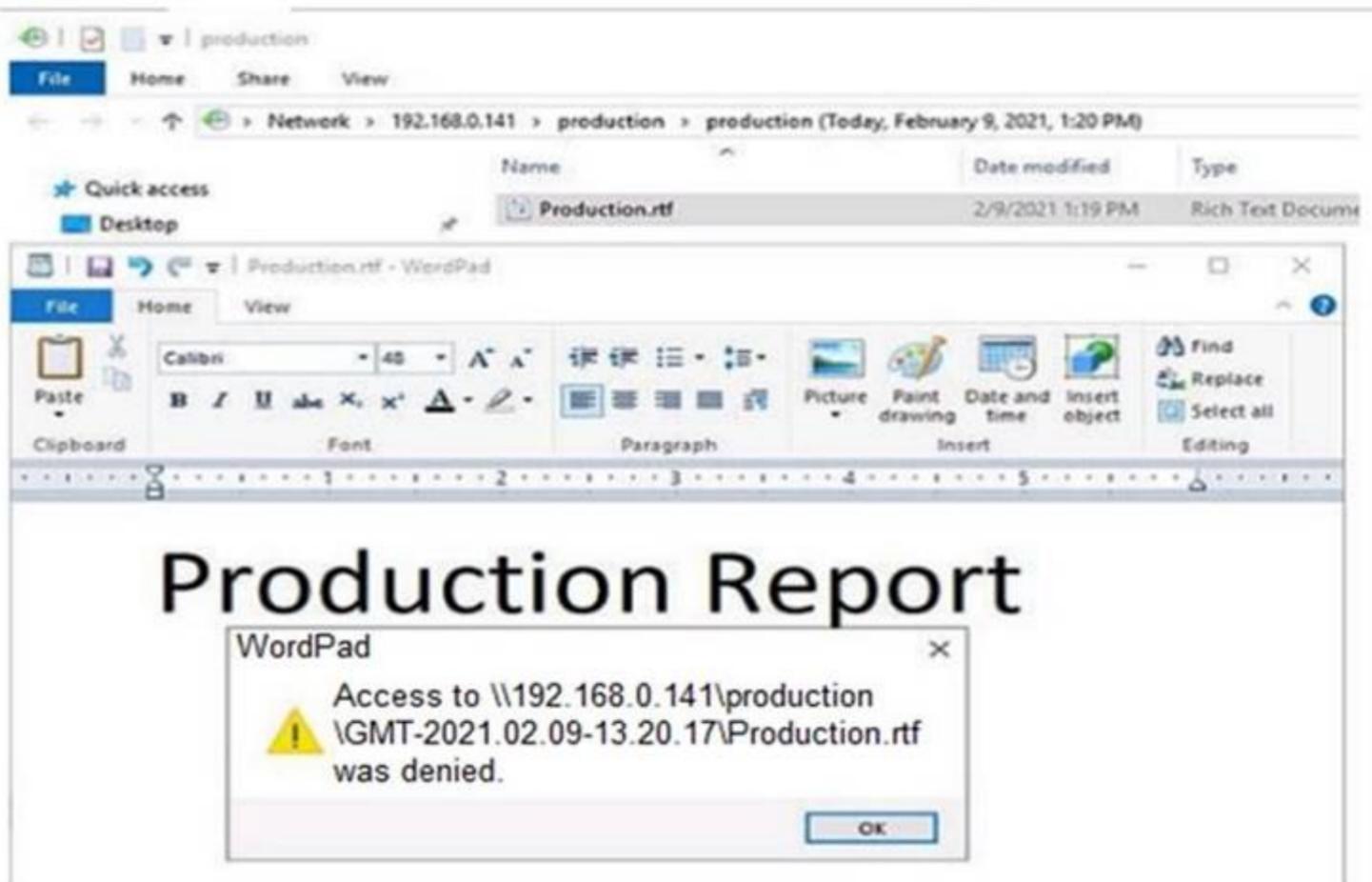
You want to prepare your ONTAP cluster and your ESXi cluster to connect NFS datastores over a 10-GbE network using Jumbo frames. In this scenario, which three configurations would accomplish this task? (Choose three.)

- 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: ABE

NEW QUESTION 20

Exhibit.



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. Allow the file type, file In the CIFS Server policy.
- B. Let the user save the file to a writeable location.
- C. Synchronize the ONTAP Cluster time to the Active Directory time.
- D. Set the user permission for the share to write.

Answer: B

NEW QUESTION 24

After deploying an ONTAP 9.8 cluster, you want to disable the unused Ethernet ports. In this scenario, which two methods would accomplish this task? (Choose two.)

- A. Use ONTAP System Manager.
- B. Use the command line interface.
- C. Use Active IQ Config Advisor.
- D. Use Active IQ Unified Manager.

Answer: AB

NEW QUESTION 27

After deploying an AFF A400, you want to deploy a storage virtual machine (SVM) to serve SMB data. Which three conditions must exist in this scenario? (Choose three.)

- A. You must have sufficient space for the root volume.
- B. You must have a non-root aggregate in the online state.
- C. You must have encryption enabled on the root volume.
- D. You must synchronize the cluster time.
- E. You must have configured the export policies.

Answer: ADE

NEW QUESTION 28

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?

- A. cluster failover
- B. ONTAP Mediator service
- C. storage failover
- D. automated unplanned switchover

Answer: B

NEW QUESTION 29

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.)

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

Answer: AC

Explanation:

https://docs.netapp.com/us-en/ontap-select/reference_plan_ots_two_node.html

When a cluster consists of two nodes, it is not possible to achieve the quorum required when a node fails or loses communication. To resolve these types of split-brain situations, every instance of the ONTAP Select Deploy utility includes a mediator service. If you have one or more active two-node clusters, the ONTAP Select Deploy virtual machine administering the clusters must be running at all times.

NEW QUESTION 33

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

Answer: A

Explanation:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-fc-mgmt%2FGUID-E878AB6F-2A6>

NEW QUESTION 36

Exhibit

```

::> volume autosize -vserver SVM1 -volume vol1 -shrink-threshold-percent 60 -mode grow_shrink

vol autosize: Flexible volume "SVM1:vol1" autosize settings UPDATED.
Volume modify successful on volume: vol1

```

Referring to the exhibit, when will NAS vol1 shrink in size?

- A. when the aggregate containing vol1 is 60% full
- B. when the volume is 60% full
- C. when the volume is 40% full
- D. when the aggregate containing vol1 is 40% full

Answer: A

NEW QUESTION 38

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          0%
```

```
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.)

- 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: AD

NEW QUESTION 41

Exhibit

```
ipp-na01::> net int show -vserver widgt_vml
(network interface show)
Vserver      Logical      Status      Network      Current      Current      Is
-----      -
Interface    Admin/Oper   Address/Mask Node          Port         Home
-----
widgt_vml
widgt_vml_lif          up/up       192.168.106.11/24 ipp-na01-01  a0a-229  false
widgt_vml_mgmt        up/up       10.40.105.15/24 ipp-na01-01  a0a-228  true
2 entries were displayed.
```

```
ipp-na01::> broadcast-domain show -ports ipp-na01-01:a0a-229
(network port broadcast-domain show)
IPspace Broadcast
Name      Domain Name      MTU      Port List      Update
-----      -
widgt     widgt_192.168.106.0/24
          9000
          ipp-na01-04:a0a-229  complete
          ipp-na01-03:a0a-229  complete
          ipp-na01-01:a0a-229  complete
          ipp-na01-02:a0a-229  complete
```

```
ipp-na01::> net route show -vserver widgt_vml
(network route show)
There are no entries matching your query.
```

You need to provision a new NFS datastore for a vSphere cluster. You configure a new SVM and a new volume on your ONTAP cluster. You successfully mount the datastore to your vSphere cluster. You are able to upload and download a test 1 KB file to and from the datastore. You can also successfully ping the NFS LIF (192.168.106.11) from the vSphere hosts without any packet loss. However, you are unable to upload ISO Images or migrate VMs to the new datastore. Referring to the exhibit, which action would correct the problem?

- A. Enable jumbo frames on the network switches.
- B. Add a default gateway to the SVM.
- C. Change the MTU of the VM kernel ports on the vSphere hosts to 9,000 bytes.
- D. Migrate the LIF to its home port.

Answer: A

NEW QUESTION 46

Which security method would be used to authenticate targets and Initiators in an iSCSI environment?

- A. NIS
- B. LDAP
- C. /etc/hosts
- D. CHAP

Answer: D

NEW QUESTION 50

Exhibit.

IPspaces +

Cluster	Broadcast Domains
Cluster	Cluster
Default	Storage VMs acmefs01,AcmeVM01, svm1_cluster1,svm2_cluster1

Broadcast Domains

Cluster	9000 MTU	IPspace: Cluster
cluster1-01	e0a e0b	cluster1-01 e0a e0b
cluster1-02	e0a e0b	cluster1-02 e0a e0b
Default	1500 MTU	IPspace:Default
cluster1-01	e0c e0d e0e e0f e0g	cluster1-01 e0c e0d e0e e0f e0g
cluster1-02	e0c e0d e0e e0f e0g	cluster1-02 e0c e0d e0e e0f e0g

Network Interfaces + Search Download Filter

Name	Status	Storage VM	IPspace	Address	Current Node	Current Port
lif_acmefs01_868	✔	acmefs01	Default	192.168.0.200	cluster1-01	e0c

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?

- A. Create a DNS load balancing zone.
- B. Split the broadcast domain.
- C. Create an IPspace.
- D. Change the LIF's failover policy to sfo-partner-only

Answer: B

NEW QUESTION 53

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: CD

NEW QUESTION 55

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