

## Exam Questions NS0-592

NetApp Certified Support Engineer - ONTAP Specialist

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#### NEW QUESTION 1

A customer has a 2-node MetroCluster. They experienced a complete power loss at site B. The customer has lost connectivity to site B and now realizes that the DR partner at site A has not taken over the DR partner at site B.

Which two actions must be performed in this scenario? (Choose two.)

- A. On the DR partner at site A, perform the process to switchover.
- B. Ensure that site B is prevented from serving data or simply powered off (nodes and disk shelves).
- C. On the DR partner at site A, perform the process to heal the data aggregates.
- D. On the DR partner at site B, perform the process to heal the root aggregate.

**Answer:** AD

#### NEW QUESTION 2

Click the exhibit button.

```
cl01::metrocluster interconnect> adapter show
```

		Adapter Link			
Node	Adapter name	Type	Status	IP Address	Port Number
-----	-----	-----	-----	-----	-----
cl01-01	fcvi_device_0	FC-VI	Up	5.0.0.5	1a
cl01-01	fcvi_device_1	FC-VI	Up	6.0.0.6	1b
cl01-01	mlx4_0	IB	Down	192.0.5.56	ib0a
cl01-01	mlx4_0	IB	Down	192.0.5.57	ib0b

4 entries were displayed

Your customer is calling about their MetroCluster environment. They have provided you with the output of the metrocluster interconnect adapter show command. Referring to the exhibit, which statement is correct?

- A. For all MetroCluster configurations, this is expected output.
- B. The InfiniBand cables should be connected in this configuration.
- C. The InfiniBand interconnect is not used in MetroCluster.
- D. This is a 2-node MetroCluster.

**Answer:** A

#### NEW QUESTION 3

An administrator wants to keep an automatic daily up-to-date copy of a volume at a disaster recovery location. What should the administrator do to achieve this goal?

- A. Perform a volume relocation to the remote location.
- B. Configure a SnapMirror relationship to the remote location.
- C. Configure a SyncMirror relationship to the remote location.
- D. Perform an NDMP dump to the remote location.

**Answer:** B

#### NEW QUESTION 4

Click the exhibit button.

```
ONTAP_CLUSTER::> vserver cifs create -cifs-server svm1 -domain example.com -ou OU=Secure
```

In order to create an Active Directory machine account for the CIFS server, you must supply the name and password of a Windows account with sufficient privileges to add computers to the "OU=Secure" container within the "EXAMPLE.COM" domain.

Enter the user name: administrator

Enter the password:

```
Error: Machine account creation procedure failed
[ 61] Loaded the preliminary configuration.
[ 64] Successfully connected to ip 10.216.29.40, port 88 using
      TCP
[ 71] Requested service not found in Active Directory
      (KRB5KDC_ERR_S_PRINCIPAL_UNKNOWN)
[ 71] Failed to initiate Kerberos authentication. Trying NTLM.
[ 72] Successfully connected to ip 10.216.29.40, port 389 using
      TCP
**[ 77] FAILURE: Specified OU 'OU=Secure' does not exist in
**      EXAMPLE.COM
```

Error: command failed: Failed to create the Active Directory machine account "SVM1". Reason:  
SecD Error: ou not found.

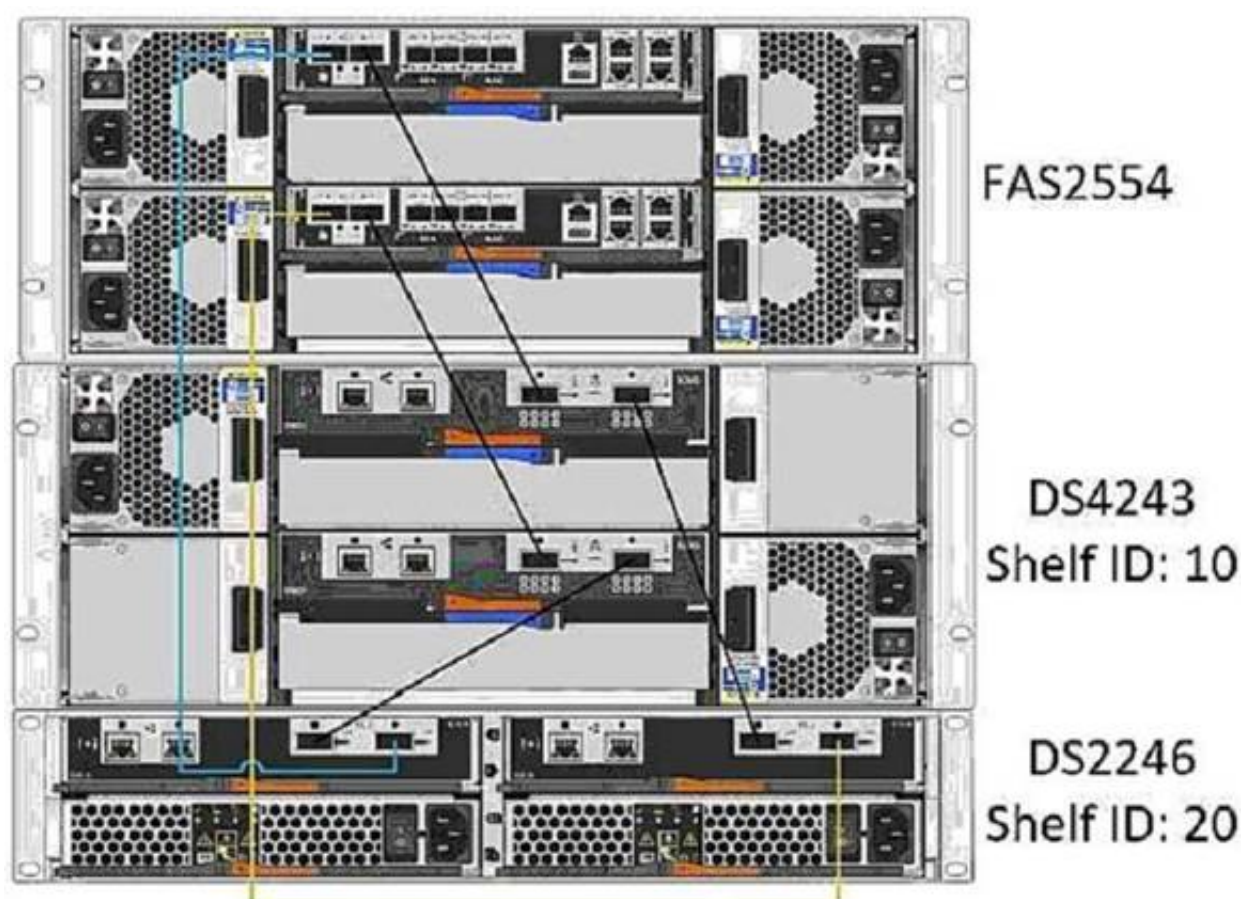
The storage administrator for the company example.com is attempting to join an SVM to their Active Directory as SVM1. The computer account must also be joined to the Secure organizational unit. Attempts to perform this action using the CLI fail with the error message shown in the exhibit. What is the reason for this error?

- A. The requested OU Secure does not exist in the Active Directory and must be created by the Active Directory administrator.
- B. The requested OU Secure has incorrect principal and errored with KRB5KDC\_ERR\_S\_PRINCIPAL\_UNKNOWN.
- C. The administrator account password used in vserver cifs create was not entered correctly.
- D. The syntax is incorrect; it should be vserver cifs create -cifs-server svm1 -domain example.com -ou ou=Secure, dc=example, dc=com.

Answer: B

#### NEW QUESTION 5

Click the exhibit button.



Your customer reports that their FAS2554A system reports multi-path HA when running the sysconfig command. However, Config Advisor reports an error about incorrect cabling.

What are the two reasons for the messages? (Choose two.)

- A. Shelves 10 and 20 have different IOM modules and must be in separate stacks.
- B. The FAS2554 system is cabled incorrectly to shelf ID 20.
- C. The DS2246 shelf is wrong; the shelf ID must be 11.
- D. Disk shelves 10 and 20 are cabled incorrectly to each other.

Answer: BD



#### NEW QUESTION 6

Your customer added a new DS2246 shelf to an existing stack on their FAS8060A system. The customer then noticed that the new shelf's disks appear with the shelf serial number instead of the shelf ID in the sysconfig -r command output. What is the reason for this problem?

- A. The SAS is cabled incorrectly.
- B. There is failed IOM module in the new shelf.
- C. The ACP is cabled incorrectly.
- D. The new shelf has the same ID as another shelf.

**Answer:** A

#### NEW QUESTION 7

Click the exhibit button.

```
cluster01::> job show -id 18 -fields progress

id vserver
progress

-----

18 cluster01 "Cutover Deferred, Waiting for user intervention(10.30MB Sent)::Volume
move job preparing transfer"
```

A volume move operation has been initiated to move a volume named MirrScr from one aggregate to another. The operation failed with the error that is shown in the exhibit.

In this scenario, which statement is correct?

- A. Manually trigger the cutover process in order to restart the job.
- B. The volume move cannot be completed at this time because of high use in this node.
- C. There are too many snapshots on the source volume.
- D. Cancel and restart the volume move operation.

**Answer:** A

#### NEW QUESTION 8

A reboot was performed by a watchdog reset on the node. In this scenario, which statement is true?

- A. The service processor no longer responds.
- B. In case of an L1 watchdog event, determine whether a panic message was recorded.
- C. In case of an L2 watchdog event, determine whether a core was dumped.
- D. The wafl\_check command should be executed.

**Answer:** A

#### NEW QUESTION 9

In a 4-node MetroCluster cluster, both clusters are alerting that the connection to an ATTO bridge is lost. Which three components should be verified to determine what is causing this problem? (Choose three.)

- A. the SFPs that are connecting the ATTO bridge to the switch
- B. the dark fiber cables between sites
- C. the ATTO bridge
- D. the SFPs in the storage controllers
- E. the fiber cable that is connecting the ATTO bridge to the switch

**Answer:** ACE

#### NEW QUESTION 10

You are investigating a CIFS issue at a customer site, but it is unclear which SMB version is being used between the client and the server. The customer has provided you with a packet trace output.

In this scenario, which packet exchange contains information to indicate which SMB version was agreed upon by the client and the server?

- A. Ioctl1 Request FSCTL\_DFS\_GET\_REFERRALS Ioctl1 Response FSCTL\_DFS\_GET\_REFERRALS
- B. Session Setup Request Session Setup Response
- C. Negotiate Protocol Request Negotiate Protocol Response
- D. Tree Connect Request Tree Tree Connect Request Response

**Answer:** D

#### NEW QUESTION 10

A customer reports that copying data over iSCSI attached LUNs is taking significantly longer than usual. The customer asks you to help to identify the root cause of this problem.

Which two perfstat sections would you use to accomplish this task? (Choose two.)

- A. stats lun

- B. lun stats -vserver
- C. statit
- D. stats volume

**Answer:** BC

#### NEW QUESTION 13

For restore purposes, a storage administrator on an ONTAP system created a FlexClone of a volume that contains a LUN from a specific snapshot. This LUN cannot be seen by a Windows client after a disk rescan is performed by using Disk Management. In this scenario, which statement is correct?

- A. The cloned LUN must be brought online.
- B. The cloned LUN needs to be mapped to an initiator group.
- C. The cloned volume must be split from the source volume before the LAN can be used.
- D. The cloned LUN must be renamed to a different name than the name of the source LUN.

**Answer:** C

#### NEW QUESTION 14

A customer calls you about a performance issue that they experienced over the past few days. They want to know if data collection and root cause analysis (RCA) is possible for this issue. This issue appears to be a one time event. Which tool would be used to satisfy the customer's request?

- A. perfstat
- B. perfmon
- C. OneCollect
- D. Performance Archive

**Answer:** C

#### NEW QUESTION 18

Click the exhibit button.

```
*****
**  SYSTEM MESSAGES  **
*****

The root volume is different than one previously used by this node. This node is not
fully operational. Contact support personnel for the root volume recovery procedures.
```

When you log in to a node, a warning is displayed as shown in the exhibit. Which statement is correct in this scenario?

- A. The node root volume was moved to a new aggregate.
- B. The partner still hosts the CFO aggregate for the node.
- C. One or more RDB db files are damaged due to an internal software error.
- D. The node cannot communicate with the rest of the nodes in the cluster.

**Answer:** D

#### NEW QUESTION 23

Your customer has initiated several volume move commands to redistribute the workload in their 8-node cluster. To verify that this process is not affecting their client access, they were monitoring the network switches that provide client access, but they do not see the network load of the volume move command. In this scenario, what is the reason for the behavior?

- A. The volume move command uses the HA iWarp interconnect, not the client access switches.
- B. The volume move command uses copy offload protocol, so it does not show up when monitored.
- C. The volume move command uses the intercluster LIFs, not the data LIFs.
- D. The volume move command uses the cluster interconnect switches, not the client access switches.

**Answer:** B

#### NEW QUESTION 24

A field support engineer has just replaced the IOXM on NODE2 on a FAS8080 running ONTAP 9.1. After the replacement, the customer is unable to perform a giveback because the interconnect is down. In this scenario, which statement is correct?

- A. Verify that there cross-links between the interconnects.
- B. Verify that the installed FC-VI cards are configured properly.
- C. Verify that the interconnect cables on the motherboard are connected correctly.
- D. Verify that the interconnect cables on the IOXM are connected correctly.

**Answer:** D

#### NEW QUESTION 26

When you issue a volume clone create command, which entity in WAFL is copied?

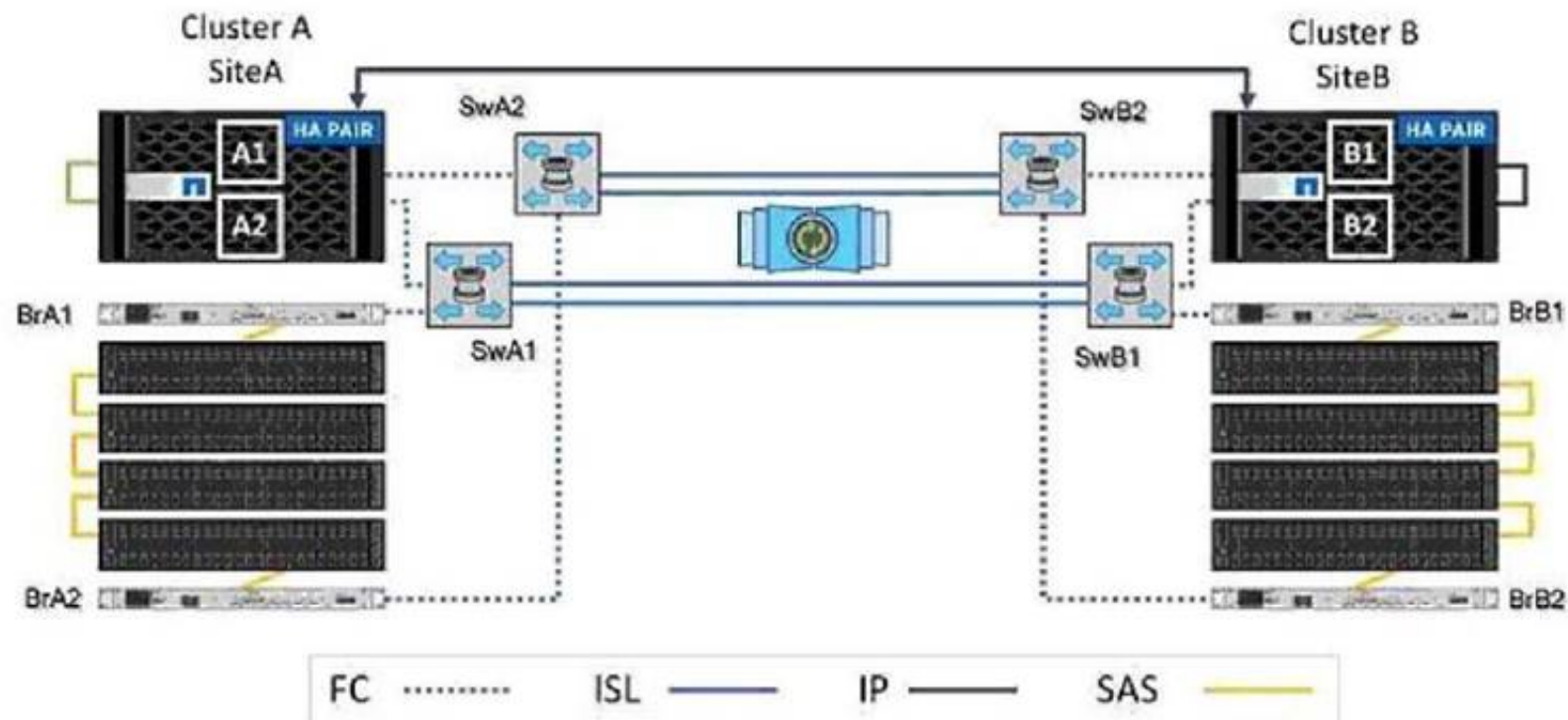
- A. the vol\_info block
- B. the buftree
- C. the data block

D. the inode file

**Answer:** D

### NEW QUESTION 31

Click the exhibit button.



You are investigating an AutoSupport Disk Redundancy Failed alert. Cluster A lost connectivity to storage bridge BrB1, while cluster B lost connectivity to storage bridge BrA1.

Referring to the exhibit, which three components need investigation? (Choose three.)

- A. storage bridges BrB1
- B. FC switch SwA1
- C. FC switch SwB1
- D. FC switch SwA2
- E. ISL cables

**Answer:** BCE

### NEW QUESTION 33

Click the exhibit button.

```
cluster1::*> network interface show -vserver FS -fields data-protocol,curr-node,curr-port,is-
home
vserver lif  data-protocol curr-node  curr-port is-home
-----
FS      lif01 cifs          cluster1-01 e0d      true
FS      lif02 cifs          cluster1-02 e0d      true
2 entries were displayed.
```

```
cluster1::*> vserver cifs share show -vserver FS -share-name Users
```

```

Vserver: FS
Share: Users
CIFS Server NetBIOS Name: FS1
Path: /Users
Share Properties: oplocks
                  browsable
                  changenotify
                  show-previous-versions
Symlink Properties: symlinks
File Mode Creation Mask: -
Directory Mode Creation Mask: -
Share Comment: -
Share ACL: Everyone / Full Control
File Attribute Cache Lifetime: -
File Mode Creation Mask: -
Directory Mode Creation Mask: -
Share Comment: -
Share ACL: Everyone / Full Control
File Attribute Cache Lifetime: -
Volume Name: Users
Offline Files: manual
Vacan File-Operations Profile: standard
Maximum Tree Connections on Share: 4294967295
UNIX Group for File Create: -
```

```
cluster1::*> vserver cifs options show -vserver FS
```

```

Vserver: FS

Client Session Timeout: 900
Copy Offload Enabled: true
Default Unix Group: -
Default Unix User: pcuser
Guest Unix User: -
Are Administrators mapped to 'root': true
Is Advanced Sparse File Support Enabled: true
Is Fsctl File Level Trim Enabled: true
Direct-Copy Copy Offload Enabled: true
Export Policies Enabled: false
Grant Unix Group Permissions to Others: false
Is Advertise DFS Enabled: false
Is Client Duplicate Session Detection Enabled: true
Is Client Version Reporting Enabled: true
Is DAC Enabled: false
Is Fake Open Support Enabled: true
Is Hide Dot Files Enabled: false
Is Large MTU Enabled: false
Is Local Auth Enabled: true
Is Local Users and Groups Enabled: true
Is Multichannel Enabled: false
Is NetBIOS over TCP (port 139) Enabled: true
Is NBNS over UDP (port 137) Enabled: false
Is Referral Enabled: true

...

SMB1 Enabled: false
Max Buffer Size for SMB1 Message: 65535
SMB2 Enabled: true
SMB3 Enabled: true
SMB3.1 Enabled: true
Map Null User to Windows User or Group: -
WINS Servers: -
Report Widelink as Reparse Point Versions: SMB1
Max Credits to Grant: 128
```

Referring to the exhibit, which change is required to enable the CIFS Autolocation function for the Users share?

- A. Edit the CIFS share's properties to remove the changenotify property.
- B. Re-create the LIFs to allow both CIFS and NFS protocols.
- C. Change the CIFS share's Symlink Properties parameter to symlinks.
- D. Modify the CIFS server's option to enable SMB multichannel.

Answer: C

NEW QUESTION 36

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