

NetApp

NS0-591

NetApp Certified Support Engineer - ONTAP Specialist

Questions And Answers PDF Format:

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Version = Product



Question: 1

A customer complains that the copy offload does not work when copying large file from a Windows 8 client between the CIFS shares that are hosted on the same ONTAP cluster.

What are two reasons for this problem? (Choose two.)

- A. Deduplication is not enabled on the destination volume.
- B. The client should be using Windows 10 for ODX support.
- C. The source and target volumes reside on different cluster nodes.
- D. SMB 3.0 disabled on the CIFS SVM.

Answer: A D

Question: 2

Click the exhibit button.

```
netapp-cluster::> statistics volume show
```

```
netapp-cluster : 11/2/2018 13:34:36
```

Volume	Vserver	*Total Ops	Read Ops	Write Ops	Other Ops	Read (Bps)	Write (Bps)	Latency (us)
nfs_volume	SVM04	2077	0	49	45	6567	2197980	194

A customer is reporting that numbers in the statistics volume show command output appear to be incorrect.

Referring to the exhibit, which statement is correct?

- A. The problem is due to a difference in operation size.
- B. Perfstat should be used to explain the behavior.
- C. There are operation types that are not listed in the output.
- D. A case with NetApp should be raised to find the root cause.

Answer: A

Question: 3

A customer has requested your assistance with replacing a DS224C disk shelf from their cluster nondisruptively.

Which two actions should be performed before physically replacing the shelf? (Choose two.)

- A. Verify that the system is configured as multipath high availability.
- B. Upgrade the IOMs in the shelf before starting the removal process.

- C. Verify that the drives in the shelves are spares and ownership is removed.
- D. Zero the disks before performing the physical shelf removal.

Answer: A C

Question: 4

Click the exhibit button.

```
ONTAP_CLUSTER:> vservers 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 vservers cifs create was not entered correctly.
- D. The syntax is incorrect; it should be vservers cifs create -cifs-server svm1 -domain example.com -ou ou=Secure, dc=example, dc=com.

Answer: B

Question: 5

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: A D

Question: 6

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

Question: 7

A customer's FAS8200 node1 went down an hour ago after a WAFL inconsistency error. All data is being served from partner node2, but the storage failover show command output is not showing a node1 as "Waiting for giveback".

What is the corrective action for this situation?

- A. Re-create the root aggregate on node1.
- B. Boot the system and run the wafiron command on the inconsistent data aggregate.
- C. From the LOADER prompt, run the wafiron command on the system's root aggregate.
- D. Boot the system and run the WAFL_check command on the inconsistent data aggregate.

Answer: A

Question: 8

Click the exhibit button.

CPU	NFS	CIFS	HTTP	Total	Net in	kB/s out	HDD read	kB/s write	SSD read	kB/s write	Tape read	kB/s write	Cache age	Cache hit	CP time	CP ty	HDD util	SDD util	OTHER	FCP	iSCSI	FCP in	FCP out	Kb/s in	Kb/s out
20%	89	31	0	127	52	93	8	12	0	0	0	0	31s	100%	0%	-									
0%	43	0	0	44	20	64	0	16	0	0	0	0	31s	100%	0%	-									
1%	0	5	0	5	7	77	4	12	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	4	12	0	16	12	99	0	0	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	10	0	0	10	14	8	4	12	0	0	0	0	31s	100%	0%	-									
0%	12	18	0	34	17	12	920	2344	0	0	0	0	31s	100%	13%	T	4%	0%	4	0	0	0	0	0	0
0%	23	39	0	62	16	15	4	0	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	11	55	0	66	30	17	8	24	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	80	33	0	113	52	33	0	0	0	0	0	0	31s	100%	0%	-									
0%	43	27	0	70	41	21	0	0	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	25	9	0	41	20	16	16	24	0	0	0	0	31s	99%	0%	-									
0%	0	7	0	7	0	0	0	0	0	0	0	0	31s	100%	0%	-									
1%	75	0	0	75	70	25	4	4	0	0	0	0	31s	100%	0%	-									
0%	0	0	0	0	0	0	0	0	0	0	0	0	31s	100%	0%	-									

smb2:IODSSNA002C1:session_setup_ops:30/s

smb2:IODSSNA002C1:session_setup_latency:5859166.83us

smb2:IODSSNA002C1:session_setup_latency_histogram.<20us:2

smb2:IODSSNA002C1:session_setup_latency_histogram.<40us:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<60us:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<80us:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<600us:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<800us:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<1ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<2ms:1

smb2:IODSSNA002C1:session_setup_latency_histogram.<4ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<6ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<8ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<10ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<12ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<14ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<16ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<18ms:1

smb2:IODSSNA002C1:session_setup_latency_histogram.<20ms:2

smb2:IODSSNA002C1:session_setup_latency_histogram.<40ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<60ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<80ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<100ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<200ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<400ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<600ms:0

smb2:IODSSNA002C1:session_setup_latency_histogram.<800ms:87

smb2:IODSSNA002C1:session_setup_latency_histogram.<1s:264

smb2:IODSSNA002C1:session_setup_latency_histogram.<2s:118

smb2:IODSSNA002C1:session_setup_latency_histogram.<4s:482

smb2:IODSSNA002C1:session_setup_latency_histogram.<6s:256

smb2:IODSSNA002C1:session_setup_latency_histogram.<8s:230

smb2:IODSSNA002C1:session_setup_latency_histogram.<10s:300

smb2:IODSSNA002C1:session_setup_latency_histogram.<20s:0

Many end users are complaining that logging in their systems takes a long time. When the login to the desktop finishes, everything is fine. The home directories are on NetApp storage. You do not see any significant disk or CPU contention on the controller, so you gather output statistics from the controller and focus on SMB.

Referring to the exhibit, which two actions would help diagnose the problem? (Choose two.)

- A. Engage your Windows team to make sure that the domain controllers are not overloaded.
- B. Engage your desktop team to collect network traces from the clients.
- C. Collect more statistics to determine whether the controller itself is causing latency.
- D. Engage your network team to make sure that there are no issues between the storage controller and the domain controller.

Answer: C D

Question: 9

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

Question: 10

At a customer site, the storage failover giveback command fails when giving back the root aggregate. What would be two reasons for this failure? (Choose two.)

- A. There are active NFS connections.
- B. There are failed disks.

-
- C. The HA interconnect is not operational.
 - D. There are active SIS operations running.

Answer: B C

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