

## Exam Questions NS0-592

NetApp Certified Support Engineer - ONTAP Specialist

<https://www.2passeasy.com/dumps/NS0-592/>



**NEW QUESTION 1**

A customer reports that one their SVMs has two default gateways. The customer wants to know whether this behavior is expected or if one of gateways should be deleted.

In this scenario, what do you tell the customer?

- A. The configuration is acceptable if the customer configures different metrics on all defaults routes.
- B. The configuration is acceptable only if both default gateways are in the same subnet.
- C. This situation is a misconfiguration, and the customer should delete one of the default gateways because there can be only gateway for each SVM.
- D. The configuration is acceptabl
- E. The customer can achieve load balancing between the default gateways by setting the same metric on all default routes.

**Answer: A**

**NEW QUESTION 2**

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 3**

Click the exhibit button.

disk	ut%	xfers	ureads--chain-usecs	writes--chain-usecs	creads-chain-usecs	greads--chain-usecs	gwrites-chain-usecs
/aggr0_600sas/plex0/rg0:							
0a.00.0	4	8.30	0.28	1.00	0	4.10	36.27
3b.03.0	5	8.67	0.28	1.00	0	4.57	32.78
0a.00.1	48	97.79	90.89	7.34	1240	2.05	13.41
3b.06.11	48	87.63	82.13	7.64	1229	1.96	30.38
0a.00.2	49	91.64	85.86	7.39	1145	1.77	37.21
3b.03.2	52	96.58	91.73	8.18	1132	1.77	26.53
0a.00.3	51	94.90	88.47	8.30	1159	2.24	17.96
0a.03.3	50	93.50	87.54	7.66	1143	1.96	25.86
0a.00.4	50	98.91	93.60	6.73	1242	1.96	26.29
3b.03.4	50	97.70	92.10	6.51	1349	1.77	29.63
0a.00.5	47	83.90	77.93	8.68	1081	1.86	34.55
0a.03.5	52	95.09	89.87	7.51	1255	1.68	28.00
0a.00.6	50	91.45	85.95	7.34	1257	1.77	22.21
3b.03.6	51	92.29	87.26	8.32	1179	1.77	28.68
0a.00.7	48	92.38	87.35	7.66	1107	1.58	26.65
0a.03.7	51	97.79	91.92	8.02	1161	1.96	21.29
3b.05.18	33	59.48	53.60	4.05	2151	1.86	29.60
3b.06.9	33	60.22	54.63	3.91	1907	2.33	38.84
3b.05.20	33	57.52	51.55	4.86	1855	1.96	36.43
3b.05.21	34	60.59	55.00	4.43	1984	1.96	33.67
3b.05.22	33	55.37	49.22	5.51	1641	2.24	39.96
3b.05.23	32	63.11	57.33	4.04	1892	1.96	33.10
/aggr0_600sas/plex0/rg1:							
0a.00.8	3	5.50	0.00	....	..	2.52	61.00
3b.03.8	2	5.50	0.00	....	..	2.52	61.00
0a.00.9	50	87.63	80.92	7.55	1353	2.24	20.17
3b.04.23	51	96.02	89.87	7.88	1210	1.77	20.37
0a.00.10	52	99.10	93.78	6.93	1405	1.68	21.72
3b.03.10	52						
101.33	95.74	6.89	1409	1.86	19.85	683	3.73
0a.00.11	52	97.88	92.10	6.98	1271	1.68	17.17
0a.03.11	47	88.38	81.66	8.34	1087	1.96	16.62
0a.00.12	50	96.58	90.43	8.09	1136	2.14	16.48
3b.03.12	47	89.12	82.87	8.04	1117	2.14	17.91
0a.00.13	50	90.24	83.25	7.96	1209	2.14	18.61
0a.03.13	52	91.54	85.11	8.14	1319	2.05	25.82
0a.00.14	52						
104.22	98.16	7.81	1194	1.86	16.05	654	4.20
3b.03.14	49	91.27	85.67	7.75	1127	1.77	20.32
0a.00.15	53						
106.09	99.47	7.03	1303	2.14	21.52	685	4.47
0a.03.15	48	89.49	83.43	7.96	1238	2.05	16.77
3b.06.1	25	46.24	40.09	5.60	1454	2.14	29.17
0a.03.9	24	42.23	35.61	4.79	1721	2.42	27.50
3b.06.3	25	48.76	42.79	4.83	1582	2.14	38.35
3b.03.22	22	45.68	39.53	5.41	1257	2.24	28.54
3b.06.5	24	47.54	41.48	5.31	1280	2.24	35.83
3b.06.7	26	49.04	41.86	5.14	1502	2.33	35.08

A customer reports that storage latency has recently increased substantially. No changes have been introduced, and the traffic did not change. Referring to the output shown in the exhibit, which corrective step should be taken?

- A. Add more spindles.

- B. Throttle the client traffic.
- C. Perform the volume reallocation.
- D. Move some volumes off the affected aggregate.

**Answer:** B

**NEW QUESTION 4**

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 5**

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

**NEW QUESTION 6**

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 7**

You want to determine which SMB versions that a CIFS server can use when communicating with external servers.

Which two CIFS server settings should be reviewed to accomplish this task? (Choose two.)

- A. smb2-enabled
- B. smb1-enabled-for-dc-connections
- C. smb2-enabled-for-dc-connections
- D. smb1-enabled

**Answer:** CD

**NEW QUESTION 8**

The root aggregate on your single-node ONTAP cluster failed. You have the configuration backups saved on your FTP server?

In this scenario, which two steps are part of the recovery procedure? (Choose two.)

- A. Perform a Netboot using the configuration backup.
- B. Create a new aggregate and set its ha\_policy option to sfo.
- C. Boot into maintenance mode.
- D. Create a new root aggregate and set its ha\_policy option to cfo.

**Answer:** CD

**NEW QUESTION 9**

Click the exhibit button.

```
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<20us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<40us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<60us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<80us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<100us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<200us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<400us:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<600us:1
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<800us:16
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<1ms:66
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<2ms:2059
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<4ms:10357
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<6ms:914
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<8ms:211
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<10ms:152
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<12ms:87
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<14ms:37
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<16ms:33
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<18ms:27
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<20ms:13
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<40ms:47
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<60ms:3
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<80ms:2
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<100ms:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<200ms:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<400ms:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<600ms:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<800ms:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<1s:233
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<2s:32
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<4s:44
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<6s:55
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<8s:533
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<10s:299
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<20s:120
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<30s:80
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<60s:20
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<90s:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.<120s:0
offbox_vscan_server:vsl:192.168.100.144:nb-sfs-01:scan_latency_histogram.>=120s:0
```

```
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<20us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<40us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<60us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<80us:0
```

```
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<100us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<200us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<400us:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<600us:1
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<800us:156
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<1ms:6546
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<2ms:20591
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<4ms:40357
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<6ms:9414
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<8ms:2411
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<10ms:1452
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<12ms:387
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<14ms:237
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<16ms:353
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<18ms:273
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<20ms:132
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<40ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<60ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<80ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<100ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<200ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<400ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<600ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<800ms:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<1s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<2s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<4s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<6s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<8s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<10s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<20s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<30s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<60s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<90s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.<120s:0
offbox_vscan_server:vsl:10.23.23.54:nb-sfs-01:scan_latency_histogram.>=120s:0
```

A storage administrator reports that when they enabled Vscan, they began receiving reports of CIFS users having very slow access to all their files. The storage administrator recovered from the issue by disabling Vscan on their SVM. The storage administrator was able to collect perfstat output during the time of the reported slow access, as shown in the exhibit.

In this situation, what is the problem?

- A. The problem is on the SVM, as shown in the scan\_latency output.
- B. Vscan server 192.168.100.144 was slower than Vscan server 10.23.23.54 in completing Vscan requests.
- C. Vscan server 10.23.23.54 was slower than Vscan server 192.168.100.144 in completing Vscan requests.
- D. The problem was with both Vscan servers 192.168.100.144 and 10.23.23.54.

**Answer: B**

#### NEW QUESTION 10

Click the exhibit button.

```

slot 1: FC Host Adapter 1a (QLogic 2532 rev. 2, N-port, <UP>)
...
san31:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108390
san31:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108363
san51:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108406
san51:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108893
san51:5.shelf10    : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san51:6.shelf31    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san31:5.shelf0     : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san31:6.shelf20    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
slot 1: FC Host Adapter 1b (QLogic 2532 rev. 2, N-port, <UP>)
...
san32:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N107744
san52:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108403
san52:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108903
san52:5.shelf10    : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san52:6.shelf31    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san32:5.shelf0     : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
slot 1: FC Host Adapter 1c (QLogic 2532 rev. 2, N-port, <UP>)
...
san31:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108390
san31:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108363
san51:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108406
san51:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108893
san51:5.shelf10    : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san51:6.shelf31    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san31:5.shelf0     : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san31:6.shelf20    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
slot 1: FC Host Adapter 1d (QLogic 2532 rev. 2, N-port, <UP>)
...
san32:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N107744
san52:5.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108403
san52:6.126L0      : ATTO      FibreBridge6500N 1.50  FB6500N108903
san52:5.shelf10    : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san52:6.shelf31    : DS4246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173
san32:5.shelf0     : DS2246    Firmware rev. IOM6 A: 0173  IOM6 B: 0173

```

A customer's system reported several errors. There was no disruption, but the customer is concerned about the system's health. Referring to the exhibit, which statement is true?

- A. One of the switches has failed.
- B. One of the IOM modules on shelf 20 has failed.
- C. Storage redundancy is degraded.
- D. Port 1D on the system has failed.

**Answer: C**

#### NEW QUESTION 10

Click the exhibit button.

```

Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50230 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50231 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50233 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50233 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50234 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50235 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50236 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: The ntpd with
ID 50237 exited as a result of normal exit (20). This server will attempt to restart.
Fri Sep 21 06:38:52 CEST [cluster1: spmd: spm.ntpd.process.exit:error]: Call home for
EXITS THRESHOLD OF A PROCESS MANAGED BY SPM IS REACHED

```

A customer reports that their system recently began logging an error. Referring to the exhibit, which two statements are correct? (Choose two.)

- A. The bcomd application is responsible for monitoring the observed behavior.
- B. A user is attempting to restart the ntpd daemon.
- C. The spmd application failed to restart the ntpd daemon.
- D. The ntpd daemon is responsible for time services.

**Answer: BD**

#### NEW QUESTION 11

Click the exhibit button.

```

===== SYSCONFIG-A =====
NetApp Release 8.3: Mon Mar 9 19:20:57 PDT 2015
System ID: 333333333 (NETAPPCLUS-01); partner ID: 444444444 (NETAPPCLUS-02)
System Serial Number: 8675309 (NETAPP1CLUS-01)
System Rev: B0
System Storage Configuration: Multi-Path HA
System ACP Connectivity: Full Connectivity
All-Flash Optimized: false
Backplane Part Number: 111-01459
Backplane Rev: D1
Backplane Serial Number: 021431000055
slot 0: System Board 2.8 GHz (System Board XX B0)
      Model Name:      FAS8080
slot 6: SAS Host Adapter 6c (PMC-Sierra PM8001 rev. C, SAS, <UP>)
MFG Part Number:  USI 6086-000010-07 rev. MP V4.13
Part number:      111-00341+G1
Serial number:    ST063EBJ11V
Date Code:        20141118
Firmware rev:     01.11.07.00
Base WWN:         5:00e004:000307b:50
Phy State:        [0] Enabled, 6.0 Gb/s
                  [1] Enabled, 6.0 Gb/s
                  [2] Enabled, 6.0 Gb/s
                  [3] Enabled, 6.0 Gb/s
QSFP Vendor:      Molex Inc.
QSFP Part Number: 112-00266+A0
QSFP Type:         Optical (1490nm DFB) 2m ID:01
QSFP Serial Number: 93AG14035F0385
                  10.0 : NETAPP X425_HCBEP1T2A10 NA01 1142.3GB 520B/sect (KZK1KUTG)
Shelf 10: DS2246 Firmware rev. IOM6 A: 0187 IOM6 B: 0191
slot 12: SAS Host Adapter 12b (PMC-Sierra PM8001 rev. C, SAS, <UP>)
MFG Part Number:  USI 6086-000010-07 rev. MP V4.13
Part number:      111-00341+G1
Serial number:    ST063EBJ0YU
Date Code:        20141118
Firmware rev:     01.11.07.00
Base WWN:         5:00e004:000307b:3c
Phy State:        [4] Enabled, 6.0 Gb/s
                  [5] Enabled, 6.0 Gb/s
                  [6] Enabled, 6.0 Gb/s
                  [7] Enabled, 6.0 Gb/s
QSFP Vendor:      Molex Inc.
QSFP Part Number: 112-00266+A0
QSFP Type:         Optical (1490nm DFB) 2m ID:01
QSFP Serial Number: 93AG13382F0001
                  10.0 : NETAPP X425_HCBEP1T2A10 NA01 1142.3GB 520B/sect (KZK1KUTG)
Shelf 10: DS2246 Firmware rev. IOM6 A: 0187 IOM6 B: 0191

```

===== ENVIRONMENT =====

```

Expander phy state on 12b.10 (NETAPP :DS224IOM6 SHFMS1449000979):
      Pwr      Invald Disprt Loss  Phy  CRC  Phy
      Pwr Ccl Rev Rls DWord Error Sync Reset Error Change SATA
PHY/BAY STATE      ON  Cnt Cnt Cnt Count Count Count Prob Cnt Cnt Affiliation
-----
0/P0:0 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 45 -----
1/P0:1 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 45 -----
2/P0:2 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 45 -----
3/P0:3 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 45 -----
4/P1:0 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 2  -----
5/P1:1 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 2  -----
6/P1:2 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 2  -----
7/P1:3 6.0 Gb/s    --- --- --- 0 0 0 0 0 0 2  -----

```

```

===== SYSCONFIG-A =====
NetApp Release 8.3: Mon Mar 9 19:20:57 PDT 2015
System ID: 44444444 (NETAPPCLUS-02); partner ID: 333333333 (NETAPP1CLUS-01)
System Serial Number: 9035768 (NETAPP1CLUS-02)
System Rev: B0
System Storage Configuration: Multi-Path HA
System ACP Connectivity: Partial Connectivity
All-Flash Optimized: false
Backplane Part Number: 111-01459
Backplane Rev: D1
Backplane Serial Number: 021432003770
slot 0: System Board 2.8 GHz (System Board XX B0)
      Model Name:      FAS8080
slot 6: SAS Host Adapter 6c (PMC-Sierra PM8001 rev. C, SAS, <UP>)
  MFG Part Number:  USI 6086-000010-07 rev. MP V4.13
  Part number:      111-00341+G1
  Serial number:    ST063EBJ07F
  Date Code:        20141118
  Firmware rev:     01.11.07.00
  Base WWN:         5:00e004:000307b:f0
  Phy State:        [0] Enabled, 6.0 Gb/s
                   [1] Enabled, 6.0 Gb/s
                   [2] Enabled, 6.0 Gb/s
                   [3] Enabled, 6.0 Gb/s
  QSFP Vendor:      Molex Inc.
  QSFP Part Number: 112-00268+A0
  QSFP Type:         Optical (1490nm DFB) 5m ID:01
  QSFP Serial Number: 93AG14476F0081
                   10.0 : NETAPP X425_HCBEP1T2A10 NA01 1142.3GB 520B/sect (K2K1KUTG)
  Shelf 10: DS2246 Firmware rev. IOM6 A: 0187 IOM6 B: 0191
slot 12: SAS Host Adapter 12b (PMC-Sierra PM8001 rev. C, SAS, <UP>)
  MFG Part Number:  USI 6086-000010-07 rev. MP V4.13
  Part number:      111-00341+G1
  Serial number:    ST063EBJ0DH
  Date Code:        20141118
  Firmware rev:     01.11.07.00
  Base WWN:         5:00e004:000307b:ac
  Phy State:        [4] Enabled, Rate unknown
                   [5] Enabled, Rate unknown
                   [6] Enabled, 6.0 Gb/s
                   [7] Enabled, Rate unknown
  QSFP Vendor:      Molex Inc.
  QSFP Part Number: 112-00268+A0
  QSFP Type:         Optical (1490nm DFB) 5m ID:01
  QSFP Serial Number: 93AG14476F0137
                   10.0 : NETAPP X425_HCBEP1T2A10 NA01 1142.3GB 520B/sect (K2K1KUTG)
  Shelf 10: DS2246 Firmware rev. IOM6 A: 0187 IOM6 B: 0191

```

```

===== ENVIRONMENT =====
Expander phy state on 12b.10 (NETAPP :DS224IOM6 SHFMS1449000979):
      Pwr      Invalid Disprt Loss  Phy  CRC  Phy
      Pwr Ccl Rsv Rls DWord  Error  Sync  Reset  Error  Change SATA
PHY/BAY STATE      ON  Cnt Cnt Cnt Count  Count  Count  Prob  Cnt  Cnt  Affiliation
-----
0/P0:0 Disabled
1/P0:1 Disabled
2/P0:2 6.0 Gb/s    --- --- --- --- 0    0    0    0    0    39  -----
-----
3/P0:3 Disabled
4/P1:0 6.0 Gb/s    --- --- --- --- 0    0    0    0    0    2  -----
-----
5/P1:1 6.0 Gb/s    --- --- --- --- 0    0    0    0    0    2  -----
-----
6/P1:2 6.0 Gb/s    --- --- --- --- 0    0    0    0    0    2  -----
-----
7/P1:3 6.0 Gb/s    --- --- --- --- 0    0    0    0    0    2  -----
-----

```

You are troubleshooting a system in which the customer reports that aggregates on Stack 6c/12b are having slow response times from system NETAPP1CLUS-02.

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. The aggregates have only one PHY running at six gigabits per second on 6c.
- B. PHY 2 is running at six gigabits per second; on system NETAPP1CLUS-02, reseal IOM6 Module A on Shelf 10.
- C. The shelf module firmware is downrev; on system NETAPP1CLUS-02, replace IOM6 Module A on Shelf 10.
- D. The aggregates have only PHY at six gigabits per second on 12b.

Answer: AC

**NEW QUESTION 13**

The error message shown below is reported in the EMS log file.

"[sis.changelog.full:warning]: Change logging metafile on volume DATA1 is full and can not hold any more

fingerprint entries.”

What are two ways to solve this problem? (Choose two.)

- A. Clear the changelog manually so that the operation can restart.
- B. Increase the size of the changelog to allow the operation to continue.
- C. Modify the storage efficiency policy so that deduplication runs more frequently.
- D. Modify the threshold that triggers a deduplication operation.

**Answer: BD**

**NEW QUESTION 16**

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
    Vscan 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 20

.....

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