



# NS0-193<sup>Q&As</sup>

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## QUESTION 1

Click the Exhibit button.

```
slot 0: SAS Host Adapter 0a (PMC-Sierra PM8001 rev. C, SAS, <UP>)
  Firmware rev:      01.12.09.00
  Base WWN:          5:00a098:005861e:b0
  Phy State:         [0] Enabled, 3.0 Gb/s
                    [1] Enabled, 3.0 Gb/s
                    [2] Enabled, Rate unknown
                    [3] Enabled, Rate unknown
 00.0 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0J6F9XC)
 00.1 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0K6F9XC)
 00.2 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0K8F9XC)
 00.3 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0K7F9XC)
 00.4 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0J2F9XC)
 00.5 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0J3F9XC)
 00.6 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0J4F9XC)
 00.7 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0J5F9XC)
 00.8 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0K9F9XC)
 00.9 : NETAPP      X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6E0A0KAF9XC)
 00.10: NETAPP     X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6D0A1YWF9XC)
 00.11: NETAPP     X477_TTCRE04TA07 NA01 3807.8GB 520B/sect (X6D0A1YVF9XC)
Shelf 0: DS4243  Firmware rev. IOM3 A: 0212  IOM3 B: 0212
```

Users are reporting poor performance from an aggregate that is hosted on SATA drives in shelf 0. You review the results from the `sysconfig -a` command for any unusual output.

Referring to the exhibit, what should you do to solve this issue?

- A. Upgrade IOM3 to IOM6 modules.
- B. Add SSDs to the aggregate.
- C. Replace the SAS cable.
- D. Replace the drives.

Correct Answer: A

## QUESTION 2

Click the Exhibit button.



```
clus::> lun igroup show
Vserver   Igroup           Protocol OS Type   Initiators
-----
iSCSI-svm R740-ESXi-01    iscsi   vmware   iqn.1998-01.com.vmware:esxa
iSCSI-svm R740-ESXi-02    iscsi   vmware   iqn.1998-01.com.vmware:esxb
iSCSI-svm R740-ESXi-03    iscsi   vmware   iqn.1998-01.com.vmware:esxc
iSCSI-svm R740-ESXi-shared iscsi   vmware   iqn.1998-01.com.vmware:esxb,
iSCSI-svm R740-ESXi-shared iscsi   vmware   iqn.1998-01.com.vmware:esxa,
iSCSI-svm R740-ESXi-shared iscsi   vmware   iqn.1998-01.com.vmware:esxc

clus::> network interface show -vserver iSCSI-svm -data-protocol iscsi
Vserver   Logical Status Network Current Current Is
Vserver   Interface Admin/Oper Address/Mask Node      Port    Home
-----
iSCSI-svm
iscsi-133-01 up/up    192.168.133.201/24 svm-01    a0a-133 true
iscsi-133-02 up/up    192.168.133.202/24 svm-02    a0a-133 true
iscsi-134-01 up/up    192.168.134.201/24 svm-01    a0a-134 true
iscsi-134-02 up/up    192.168.134.202/24 svm-02    a0a-134 true

clus::> vserver iscsi initiator show -fields vserver , tpigroup , initiator-name , igroup
Vserver   Tpgroup Initiator Igroup Name
-----
iSCSI-svm iscsi-133-01 iqn.1998-01.com.vmware:esxc R740-ESXi-03, R740-ESXi-shared
iSCSI-svm iscsi-133-02 iqn.1998-01.com.vmware:esxc R740-ESXi-03, R740-ESXi-shared
iSCSI-svm iscsi-133-02 iqn.1998-01.com.vmware:esxa R740-ESXi-shared, R740-ESXi-01
iSCSI-svm iscsi-134-01 iqn.1998-01.com.vmware:esxc R740-ESXi-03, R740-ESXi-shared
iSCSI-svm iscsi-134-01 iqn.1998-01.com.vmware:esxb R740-ESXi-02, R740-ESXi-shared
iSCSI-svm iscsi-134-02 iqn.1998-01.com.vmware:esxc R740-ESXi-03, R740-ESXi-shared
```

You are preparing to upgrade and reboot your ONTAP cluster nodes. Before performing the upgrade, you review the output shown in the exhibit.

Which troubleshooting step should be performed in this situation?

- A. Disable iSCSI LIFs iscsi-133-01 and iscsi-133-02.
- B. Enable ALUA in the svm-iSCSI SVM.
- C. Review the iSCSI sessions from the iSCSI hosts.
- D. Add missing iSCSI initiators to the R740-ESXi-shared igroup.

Correct Answer: D

### QUESTION 3

You have configured an ONTAP system. You want to verify that AutoSupport is being delivered to NetApp. In this scenario, what are two ways to accomplish this task? (Choose two.)

- A. Review AutoSupport messages in Active IQ.
- B. Review the AutoSupport section in OnCommand Unified Manager.
- C. Review the AutoSupport section in OnCommand System Manager.



D. Use the system node autosupport history show command.

Correct Answer: AC

#### QUESTION 4

Click the Exhibit button.

```
A::> system node run -node local sysconfig

NetApp Release 9.5P1: Tue Feb 19 16:41:01 EST 2019
System ID: 0536964189 (A-01); partner ID: 0536946358 (A-02)
System Serial Number: 701513000864 (A-01)
System Rev: C0
System Storage Configuration: Mixed-Path HA
System ACP Connectivity: NA
All-Flash Optimized: false
Backplane Part Number: 111-01459
Backplane Rev: D0
Backplane Serial Number: 021404006660
...
```

A storage administrator determines that LUNs which are hosted on a particular aggregate are performing poorly over the previous 24 hours. The storage administrator begins an investigation by issuing the commands that are shown in the exhibit.

In this situation, what would cause the performance degradation?

- A. An SVM DR operation is occurring.
- B. A shelf I/O module fault is occurring.
- C. The HA pair that is hosting the aggregate is in takeover.
- D. A volume move operation is occurring.

Correct Answer: B

#### QUESTION 5

An administrator deployed an ONTAP cluster and configured AutoSupport to use HTTPS. You notice that AutoSupport is not sending triggered messages.

In this scenario, what are two areas to validate? (Choose two.)



- A. Verify the Network Time Protocol (NTP) configuration.
- B. Verify that the node management LIF is routable.
- C. Verify that the Service Processor (SP) is routable.
- D. Verify the DNS configuration.

Correct Answer: AD

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