

# NS0-506 - NetApp Certified Implementation Engineer - SAN, Clustered Data ONTAP

<http://www.certleader.com/NS0-506-dumps.html>



1. A customer has recently deployed a clustered Data ONTAP 8.3 system and is trying to mount LUNs to a Windows 2012 Server using the iSCSI protocol. They have enabled jumbo frames on their nodes as well as their Windows 2012 Server. Whenever they attempt to scan for a new LUNs, Disk Management times out and does not present any new storage.

What is causing the problem?

- A. Windows 2012 does not support jumbo frames with the iSCSI protocol.
- B. Clustered Data ONTAP 8.3 does not support the iSCSI protocol.
- C. They have jumbo frames enabled on the host and storage, but not the Ethernet switches.
- D. Clustered Data ONTAP 8.3 does not support jumbo frames with the iSCSI protocol.

**Answer: C**

2. Click the Exhibit button.

After mapping the LUN on the cluster, you are not able to see in on the Windows 2012 host.

```
cl01::>igroup show -instance
```

```
Vserver Name: svm1
```

```
Igroup Name: ig1-win
```

```
Protocol: iscsi
```

```
OS Type: Windows
```

```
Portset Binding Igroup: -
```

```
Igroup UUID: 358338ba-cfd6-
```

```
11df-a9ab-123478563412
```

```
Initiators: iqn.1991-
```

```
05.com.microsoft: host1 (not
```

```
logged in)
```

Referring to the exhibit, what is the problem?

- A. An administrator is not logged into the host.
- B. The iSCSI target has not been added to the host.
- C. The OS type should be windows\_2008.

D. The OS type should be windows\_gpt.

**Answer: B**

3. A volume with a single LUN shows 30% deduplication savings. However, the output ofdfon the cluster does not show the 30% savings back to the volumeor aggregate.

What is causing this behavior?

A. Volume space guarantee is set to none.

B. Volume space guarantee is set to volume.

C. LUN space reserve is disabled.

D. LUN space reserve is enabled.

**Answer: A**

4. Which resource would you use to search for information about the configurations for NetApp products that work with third-party solutions?

A. Config Advisor

B. Host Utility Kit

C. Interoperability Matrix Tool

D. Clustered Data ONTAP 8.3 SAN Administration Guide

**Answer: C**

Explanation: Reference:<http://hwu-stage.netapp.com/Resources/FundedTools.htm>

5. You have a large, heterogeneousSAN environment. You are asked to gather information for all hosts, HBAs, switches, and storage. You are also told that you must collect this information over network protocols without agents.

Which two NetApp tools allow you to perform this task? (Choose two.)

A. OnCommand Insight

B. OnCommand Report

C. OnCommand Unified Manager

D. nSANity

**Answer: B**

6. You configure space-reserved LUNs on thick-provisioned volumes, and you want to guarantee overwrites.

How would you accomplish this task?

- A. Set the fractional reserve to 0%.
- B. Enable space allocation.
- C. Set the fractional reserve to 100%.
- D. Disable the fractional reserve.

**Answer: A**

Explanation: Reference:[https://library.netapp.com/ecm/ecm\\_download\\_file/ECMP1636035](https://library.netapp.com/ecm/ecm_download_file/ECMP1636035)(page 18)

7. A customer has recently deployed a clustered Data ONTAP 8.3 system and is trying to mount LUNs to a Windows 2012 Server using the iSCSI protocol. They are using Cisco Nexus 5548 network switches and the network administrator has informed the storage administrator that the ports are set to switchport mode trunk. The storage administrator has also been informed that the host and storage should be using VLAN 400 for iSCSI traffic. When the storage administrator attempts to add the SVM as an iSCSI target, it fails to connect.

What is causing the problem?

- A. The storage administrator has not enabled VLAN tagging on the storage ports.
- B. Clustered Data ONTAP 8.3 does not support the iSCSI protocol on a VLAN tagged interface.
- C. Windows 2012 Server does not support the iSCSI protocol on a VLAN tagged interface.
- D. Clustered Data ONTAP 8.3 does not support running iSCSI on a VLAN ID below 1024.

**Answer: A**

8. Click the Exhibit button.

```
cl01-01::>vol show -vserver
```

```
svm1 -volume v_iscsi_exch01
```

```
Vserver Name: svm1
```

```
Volume Name: v_iscsi_exch01
```

```
Aggregate Name: a1_cl01_sas Volume Size: 5 GB
```

```
Volume State: online
```

```
Volume Type: RW
```

Volume Style: flex

Available Size: 4.75GB

Filesystem Size: 5GB

Total User-Visible Size:

4.75 GB

Used Size: 144 KB

Used Percentage: 5%

Volume Nearly Full Treshold

Percent: 95%

Volume Full Treshold

Percent: 98%

Maximum Autosize (for

flexvolvs only): 6GB

(DEPRECATED) –Autosize

Increment (for flexvolvs

only): 256MB

Minimum Autosize: 5GB

Autosize Grow Threshold

Percentage: 85%

Autosize Shrink Threshold

Percentage: 50%

Autosize Mode: off

Autosize Enabled (for

flexvolvs only): false

Space Guarantee Style: volume

Space Guarantee in Effect:

true

Snapshot Directory Access

Enabled: true

Space Reserved for Snapshot

Copies: 5%

Snapshot Reserve Used: 0%

Snapshot Policy: none

Node name: cl01-01

Reserved Space for

Overwrites: 0B

Fractional Reserve: 100%

Primary Space Management

Strategy: volume\_grow

Total Physical Used Size:

144KB

Physical Used Percentage: 0%

A customer has a volume with the configuration shown in the exhibit. What will happen if the volume vs\_iscsi\_exch01 reaches 85% used?

- A. The volume will delete snapshots until 20% is free in the volume.
- B. The volume will automatically grow up to 6 GB.
- C. The volume will no longer be accessible from the host.
- D. The volume will continue working as expected.

**Answer: D**

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