



# NS0-180<sup>Q&As</sup>

NetApp Certified Storage Installation Engineer

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**QUESTION 1**

You are assigned to install two DS2246 shelves, three DS4243 shelves, and one DS4486 shelf. How many rack units (U space) should you account for in this rack layout?

- A. 6U
- B. 20U
- C. 10U
- D. 22U

Correct Answer: B

Explanation: DS2246 rack units: 2U (Here: 2\*2 -> 4U) DS4243 rack units: 4U (Here: 3\*4 -> 12U) DS4286 rack units: 4U (Here: 1\*4 -> 4U)

Total: 20U (4+12+4)

Reference: NetApp Disk Shelves and Storage Media Technical Specifications

<http://www.netapp.com/se/products/storage-systems/disk-shelves-and-storage-media/disk-shelves-techspecs.aspx>

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**QUESTION 2**

According to NetApp best practices, which two sets of protocols would be assigned to the same storage virtual machine (SVM)? (Choose two.)

- A. FCP, NFS
- B. CIFS, iSCSI
- C. NFS, CIFS
- D. FCP, iSCSI

Correct Answer: C

Explanation: For Storage Virtual Machines (SVMs) that are accessible from multiple protocols, such as CIFS and NFS, you can use DNS load balancing and automatic LIF rebalancing simultaneously.

Reference: Clustered Data ONTAP 8.3, Network Management Guide, page 96

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**QUESTION 3**

A customer learns that a certain NetApp tool allows remote data collection, intelligent core file handling, and notification of down storage controllers for technical support analysis and troubleshooting.

What is the name of this tool?



- A. RSA
- B. HWU
- C. Synergy
- D. HW Assist

Correct Answer: A

Explanation: Remote Support Agent (RSA) is a remote diagnostics data collector that is embedded directly into the storage controller's remote management device firmware. Remote Support Agent enables a NetApp support engineer to remotely request an automated upload of log files, core files, and other

diagnostic information stored in the storage controller and to remotely trigger an on-demand AutoSupport collection.

Incorrect:

Not B: The Hardware Universe (HWU) application is NetApp's system configuration solution. Not C:

NetApp Synergy is a complete design, deployment and documentation tool. The program enables you to build a very accurate, detailed model of a NetApp storage system. You can represent most aspects of a storage deployment including the hardware configuration and the sizing of all storage containers, including aggregates, volumes, qtrees and LUNs.

Reference: Clustered Data ONTAP 8.2, Remote Support Agent Configuration Guide, Page 5

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#### QUESTION 4

Which NetApp tool will simplify your initial system installation?

- A. OnCommand Unified Manager
- B. OnCommand System Manager
- C. Config Advisor
- D. System Setup tool

Correct Answer: B

Explanation: The System Setup tool enables you to quickly and easily set up your netapp FAS series storage systems using NetApp best practices and optimizing performance for Clustered. You can use this software to configure your network, storage, and protocols with either a single storage controller or multiple controllers.

Incorrect: Not A: OnCommand Unified Manager is used for to monitor the health of your clustered Data ONTAP environment. Not B: The System Setup tool is for the initial configuration, while OnCommand System Manager is for later configuration. The OnCommand System Manager provides fast, simple configuration and management for NetApp FAS storage systems. Not C: Config Advisor is run on already installed systems. It performs configuration validation for new NetApp system installation and improve automation for service delivery for assessments and audits.



Reference: [http://mysupport.netapp.com/NOW/public/system\\_setup/](http://mysupport.netapp.com/NOW/public/system_setup/)

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## QUESTION 5

You are installing a 4-node cluster with two CN1610 switches. Your co-worker is setting up the switches, but accidentally deletes the current configuration.

According to NetApp, what is the recommended way to restore the configuration?

- A. Install only one switch.
- B. Manually configure the ports as they are designated in the CN1601 and CN1610 Switch Setup and Configuration Guide.
- C. Reload the same reference file to the switch.
- D. Copy the configuration from a switch that is working.

Correct Answer: D

Explanation: You re-create the cluster using the cluster configuration that you chose and made available to the recovering node, and then rejoin each additional node to the new cluster.

You should only perform this task to recover from a disaster that resulted in the loss of the cluster's configuration.

### Steps

1.

On the recovering node, use the system configuration recovery cluster recreate command at the advanced privilege level to re-create the cluster.

2.

Use the cluster identity show command to verify that the recovering node has a different UUID than the other nodes.

3.

For each node that needs to be joined to the re-created cluster, do the following: 3a. From a healthy node on the re-created cluster, use the system configuration recovery cluster rejoin command at the advanced privilege level to rejoin the target node to the cluster. Example This example rejoins the target node (node2) to the re-created cluster.

```
cluster1::*> system configuration recovery cluster rejoin -node node2
```

Warning: This command will rejoin node "node2" into the local cluster, potentially overwriting critical cluster configuration files. This command should only be used to recover from a disaster. Do not perform any other recovery operations while this operation is in progress.

This command will cause node "node2" to reboot.

Do you want to continue? {y|n}: y

The target node reboots and then joins the cluster.



3b. Use the cluster show command with the -eligibility parameter to verify that the target node is healthy and has formed quorum with the rest of the nodes in the cluster. The target node must rejoin the re-created cluster before you can rejoin another node.

Reference: Restoring a cluster configuration from an existing configuration

<https://library.netapp.com/ecmdocs/ECMP1196798/html/GUID-9C4E7746-7FCA-4966-B6F1>

D353B07F1494.html

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