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QUESTION 1

You are assigned to install five DS2246 with twenty-four 400 GB SSDs per shelf to a single node system. According to the NetApp, which statement is correct?

- A. You cannot install five SSD shelves to one System.
- B. You need at least two stacks.
- C. You need at least three stacks.
- D. You can put all shelves in one stack.

Correct Answer: D

Explanation: Up to 10 shelves are supported per stack for the DS2246, so one stack is enough as we only have five shelves (DS2246s). Reference: Making the Move from FC to SAS Storage <http://www.netapp.com/as/communities/tech-ontap/tot-fc-sas-1101-as.aspx>

QUESTION 2

You are planning to install a new clustered Data ONTAP system for a customer.

Which action should be performed before configuring the cluster network switches?

- A. Confirm IP address and configuration information for Brocade switches before configuring the switches.
- B. Use the Cluster Network and Management Network Compatibility Matrix URL before configuring the switches.
- C. Use the Inventory Collect Tool before configuring the switches.
- D. Download the Fibre Channel switches software before configuring the switches.

Correct Answer: B

Explanation: The NetApp Interoperability Matrix defines infrastructure components and versions that can be used for configurations that NetApp corporation support end to end.

Incorrect:

Not C: Inventory Collect Tool enables you to create an inventory report that contains information about 7Mode storage systems, hosts, and host applications. The inventory report can then be imported to the 7Mode Transition Tool for transition assessment.

Reference: <http://www.netapp.com/us/technology/interop.aspx>

QUESTION 3

You were dispatched to install a cluster made up of FAS8060 and FAS8080 controllers. There are three FAS8060 controllers and three FAS8080 controllers.

Which solution would provide the largest possible cluster?

- A. a cluster made up of two nodes
- B. a cluster made up of four nodes
- C. a cluster made up of five nodes
- D. a cluster made up of six nodes

Correct Answer: D

QUESTION 4

Your customer received an HA pair of FAS8040 nodes with two half-populated disk shelves which they want to add to their cluster. When you arrive to add the nodes to their cluster, the customer informs you that they have 24 NSE drives that they want to use to fully populate two of the disk shelves.

What should you do in this scenario?

- A. Change the boot variable bootarg.storageencryption.support to false.
- B. Move all the NSE disks into one shelf and all the hard disks into the other shelf before you install the new HA pair.
- C. Inform your customer that they cannot mix NSE drives and regular hard disks in a storage system.
- D. Comply with your customers request, and add the NSE drives before you add the nodes and disk shelves to their cluster.

Correct Answer: C

Explanation: All disks in the storage system and optional attached disk shelves must have encryption functionality to be able to use Storage Encryption. You cannot mix regular non-encrypting disks with self-encrypting disks.

Note: NetApp Storage Encryption (NSE) is NetApp's implementation of full-disk encryption (FDE) using self-encrypting drives from leading vendors.

Reference: Clustered Data ONTAP 8.3, Physical Storage Management Guide

https://library.netapp.com/ecm/ecm_download_file/ECMP1636022

QUESTION 5

You have completed the installation and verification of the cluster for a customer.

What is required to complete the event?

- A. Present the customer with the posters included in the boxes.
- B. Call your manager to let them know that you are finished.
- C. Have the customer call NetApp Support to let them know that the installation is complete.

D. Have the contact sign a document saying that the installation is complete.

Correct Answer: D

QUESTION 6

When you create a single-node cluster, which statement is correct about the cluster base license key?

- A. A single-node cluster does not need any cluster-base license key.
- B. A single-node clustered Data ONTAP 8.1 license key is seven characters long.
- C. Clustered Data ONTAP 8.2 and 8.3 license keys are 14 characters long.
- D. A single-node cluster requires a cluster base key to use a cluster.

Correct Answer: D

Explanation: A Cluster Base Key required to create a Single-Node Cluster.

Incorrect:

Not A: A single-node Cluster requires a Cluster Base Key to run the create cluster command. Not B:

Clustered ONTAP 8.1 license keys are fourteen (14) characters long.

Reference: FAQ - Data ONTAP Licensing

https://kb.netapp.com/index?page=content&id=3013756&actp=LIST_POPULAR

QUESTION 7

You want to install a new clustered Data ONTAP 8.3 system. The customer wants to use open ports on interconnect switches from a different system with clustered Data ONTAP 8.2 because they are running out of space in their rack.

What should be considered in this scenario?

- A. Only one cluster per switch pair is qualified and supported.
- B. You can use all free network ports for the cluster interconnect.
- C. You can only use dedicated ports for the clustered interconnect.
- D. A maximum of two clusters per switch pair are qualified and supported, but you should use trunked ports.

Correct Answer: C

QUESTION 8

You are preparing to install a new 4-node cluster for your customer. They want to use NetApp CN1610 cluster switches that they previously purchased.

Which software must be downloaded to ensure that you are well prepared for this installation?

- A. You must download CN1610 firmware and RCF files compatible with the clustered Data ONTAP version that your customer wants to use.
- B. You must download the Cisco configuration files compatible with the clustered Data ONTAP version that your customer wants to use.
- C. You must download ATTO Fibre Bridge firmware.
- D. You must download the System Setup tool.

Correct Answer: A

Note: The following conditions must exist before installing the FASTPATH software and reference configuration file (RCF) on a NetApp CN16xx cluster switch:

* The cluster must be a fully functioning cluster. Etc.

Reference: Installing FASTPATH software and RCF files on NetApp Cluster switches, page 1 https://library.netapp.com/ecm/ecm_download_file/ECMP11694144

QUESTION 9

A customer is installing a new system and has determined that they have a broken disk.

What information is required to open a NetApp Support case?

- A. disk HBA firmware and serial number
- B. mainboard rev. id
- C. serial number or system ID
- D. disk shelf serial number and shelf ID number

Correct Answer: C

QUESTION 10

A customer is installing a new system. The administrator needs to have the maximum available amount of data space.

Which disk configuration should the administrator use?

- A. RAID-DP
- B. RAID4
- C. Flash Pool
- D. ADP

Correct Answer: D

Explanation: Advanced drive partitioning to increase usable capacity for entry systems, all-flash FAS, and Flash Pool.

Incorrect:

Not A: RAID-DP is useful for maximizing data protection, but it does not provide the maximum available data space. Not B: RAID4 is useful for optimizing writes, but it does not provide the maximum available data space.

Reference: <http://community.netapp.com/t5/Tech-OnTap-Articles/Clustered-Data-ONTAP-8-3-A- ProvenFoundation-for-Hybrid-Cloud/ta-p/92703>

QUESTION 11

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

QUESTION 12

What are two supported cluster interconnect switches for the FAS8040 nodes? (Choose two.)

- A. Cisco Catalyst 2960
- B. Cisco NX5596
- C. NetApp CN1610
- D. NetApp CN1601

Correct Answer: BC

Explanation: Cisco NX5596 is a cluster interconnect switch. NetApp CN1610 is a cluster interconnect switch that can be used for FAS8040 nodes.

Incorrect:

Not A: The Cisco Catalyst 2960 is not a cluster interconnect switch. Not D: NetApp CN1601 is a cluster management switch.

Reference: Clustered Data ONTAP 8.3, Express Setup Guide for 80xx Systems

QUESTION 13

What is NetApp's best practice regarding Ethernet flow control?

- A. Leave flow control enabled.
- B. Disable flow control on the switch ports.
- C. Disable flow control on the host, switch, and all node ports.
- D. Disable flow control on all 10Gbps ports.

Correct Answer: D

Explanation: The NetApp Best Practice specifies that Flow Control settings for 10G cluster ports are to be set with Flow Control = None.

Reference: How to modify the Flow Control setting on clustered Data ONTAP cluster ports

https://kb.netapp.com/support/index?page=content&id=1015245&actp=LIST_RECENT

QUESTION 14

Click the Exhibit button.

You are asked to install a 6-node cluster running clustered Data ONTAP 8.3 using Cisco switches. The customer has installed Config Advisor on a PC on their network and has asked you to help them collect data.

Referring to the exhibit, which three parameters should be selected? (Choose three.)

- A. Enable management switch connections
- B. Switchless
- C. Enable cluster switch connections
- D. Cisco NX5010/NX5020/5596/5596T
- E. NetApp CN1610/CN1601

Correct Answer: ADE

Explanation: In the clustered Data ONTAP profile, you can choose any one of the following (based on the network switch used):

*

Cisco NX5010/5020/5596 (Cisco switches is used in this question)

*

NetApp CN1610/CN1601

To verify clustered configurations, you should ensure the following:

*

The data is collected from cluster switches, management switches, and a controller.

Etc.

Reference: Config Advisor 3.2. Installation and Administration Guide, page 21

QUESTION 15

You are creating a first data aggregate on the fourth node of a clustered Data ONTAP system that has only 600 GB SAS disks.

According to the NetApp naming convention, what is the appropriate name for the aggregate?

- A. aggr10
- B. n04.SAS_aggr10
- C. n04_SAS_aggr01
- D. n04-aggr01-SAS

Correct Answer: C

Explanation: Example of appropriate name: n01sas01

Underscores can be used, but not "." or "-".

Note: Aggregate names must conform to the following requirements:

They must begin with either a letter or an underscore (_). They can contain only letters, digits, and underscores.

They must contain 250 or fewer characters.

Reference: Creating an aggregate

<https://library.netapp.com/ecmdocs/ECMP1368859/html/GUID-D9F611BC-F7B4-4057-A76B357BBAB7002F.html>

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