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QUESTION 1

You are installing two disk shelves on an existing clustered Data ONTAP system. One shelf is a DS2246 that matches the other shelves in a stack. The other shelf is also a DS2246 but it contains all solid state disks. Both disk shelves must be added to the same stack.

How would you install the disk shelves?

A. Install the solid state disks first, then the DS2246 shelf so that the solid state disks are as close to the top of the stack as possible.

B. Install the spinning disk shelf first and put the solid state disks at the end of the stack.

C. Advise the customer that solid state disks cannot exist on the same stack as spinning disks.

D. Move the disk drives around to create two shelves that are half solid state and half spinning drives.

Correct Answer: A

Explanation: As SSDs are faster they should be put close to the top of the stack.

Incorrect:

Not C: The DS4246 disk shelf only supports high-capacity disk configurations and "Mixed Shelf" SSD

configurations that combine SSDs with high-capacity disk drives. Not D: Place the SSD disk shelves in a

separate stack other then the disk shelves containing SAS disks. Because the potential high IOPS, thus

high SAS I/O bandwidth utilization, we don\\'t want to be limited by our backend SAS I/O. As NetApp states;

"Full SSD shelves (24 SSDs) are best placed in their own stack".

Reference: Clustered Data ONTAP 8.3, Physical Storage Management Guide, page 25

QUESTION 2

Your customer has four disk shelves attached to an HA pair of nodes running clustered Data ONTAP 8.3. One disk shelf has six SSDs and 18 HDDs installed. They want to know how to partition the SSDs to use them in a flash pool aggregate.

In this situation, what should you tell the customer?

A. Flash pool aggregates must have whole SSDs assigned, not partitions.

B. When the disks are assigned to a storage pool, they are automatically partitioned into four equal parts that can be assigned to an existing aggregate where the partition will be used as flash storage by the assigned aggregate.

C. All SSDs in a mixed disk system are partitioned to a 25% and a 75% partition. The larger partition can be used for data.

D. When the disks are assigned to a storage pool, you can partition each disk into as many partitions as needed. A partition can be assigned to an existing aggregate where the partition will be used as a flash storage by the assigned

aggregate.

Correct Answer: B

Explanation: Advanced drive partitioning for Flash Pool segments each drive into four pieces.

Reference: Clustered Data ONTAP 8.3: A Proven Foundation for Hybrid Cloud http:// community.netapp.com/t5/Tech-OnTap-Articles/Clustered-Data-ONTAP-8-3-A-Proven- Foundation-forHybrid-Cloud/ta-p/92703

QUESTION 3

You are assigned to install five DS2246 with twenty-four 400 GB SSDs per shelf to a single node system. According 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 we 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 4

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

QUESTION 5

After proper cabling the NetApp CN1610 cluster switches, you notice that joining the second node to a

cluster fails because the node is not able to communicate with the other node.

What would be the reason for this malfunction?

A. CN1610 is unsupported in newer clustered Data ONTAP versions.

B. The NTP server is not set.

C. The FASTPATH version is not supported.

D. The cluster switches must be Cisco switches for two or more nodes in a cluster.

Correct Answer: C

Explanation: Before you set up NetApp CN1610 cluster switches verify that you have the appropriate FASTPATH firmware and reference configuration file (RCF) versions for your version of Data ONTAP.

Incorrect:

Not A, Not C: NetApp CN1610 will work fine. If you have an existing two-node switchless cluster

environment, you can migrate to a two-node switched-cluster environment using CN1610 cluster network

switches.

Reference: Clustered Data ONTAP Switch Setup and Configuration Guide, page 15

http://www-01.ibm.com/support/docview.wss?uid=ssg1S7004655andaid=1