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QUESTION 1

An architect is designing for a production vSAN cluster, and the customer introduced these requirements related to File Services:

A minimum of 12 files shares.

30TB NFS capacity to mount workload VMs.

What should be the architect's recommendations?

- A. Point out the risks regarding putting the hosts in maintenance mode in terms of FSVM.
- B. Confirm on all of the requirements and move forward with the physical design.
- C. Raise concerns regarding support when running VMs on an NFS share as risk.
- D. Highlight the required number of nodes required for the vSAN cluster as a constraint.

Correct Answer: D

QUESTION 2

A 4-node vSAN cluster is configured with an erasure coding storage policy. The Ensure Accessibility maintenance mode was selected. While performing the maintenance, a second node fails.

What will be the impact on the vSAN cluster?

- A. There will be no impact on performance.
- B. The VMs will no longer be accessible.
- C. The performance will be degraded.
- D. The VMs will be in a suspended state.

Correct Answer: A

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.virtualsan.doc/GUID521EA4BC-E411-47D4-899A-5E0264469866.html>

QUESTION 3

Due to the success of the recently deployed developer-only private cloud solution, a company has a new requirement to at least double the usable capacity in their all-flash vSAN cluster.

The vSAN cluster is deployed into a co-located datacenter that is owned by a third-party hosting company. The hosting company charges a fixed monthly cost for rack space and power consumption. The service owner has been given a

limited budget for additional hardware purchases, but not for on-going co-location costs.

The current vSAN cluster has the following configuration: 10 vSAN Nodes with 2 CPUs (20 cores), 512 GB RAM

1 Disk Group per vSAN node

-1 x 400 GB

-4 x 1.8 TB

De-duplication and Compression is enabled.

vSAN Capacity is currently:

-Total: 72 TB

-Usable: ~40 TB (FTT1/RAID1) and ~60 TB (FTT1/RAID5).

As a result of any action taken, the service owner would like to ensure that overall availability of the vSAN cluster is increased.

Which two recommendations meet the requirement to increase capacity while maintaining service availability? (Choose two.)

- A. Install an additional 400 GB SSD and 4 x 1.8 TB SSDs per vSAN node.
- B. Update the existing Disk Group, and claim the newly installed drives for each node.
- C. Create a new Disk Group, and claim the newly installed cache and capacity SSD drives for each node.
- D. Install an additional 3 x 1.8 TB SSDs per vSAN node.
- E. Replace existing SSDs with an 800 GB SSD and 4 x 3.8 TB SSDs per vSAN node.

Correct Answer: CD

QUESTION 4

An administrator managing a vSAN cluster of six-nodes with policy FTT-2/RAID-6 decided to put one of the nodes in maintenance mode using the "Full-data migration" option.

What will happen after this action is taken?

- A. The host will enter in maintenance mode and the data will remain accessible until the host exits maintenance mode.
- B. The system will prompt to add an additional host to the cluster in order to preserve the policy compliance.
- C. The host will enter in maintenance mode and only data with no redundancy will remain accessible.
- D. The host will enter into maintenance mode if both components of a certain object are residing on that host, then one of the components will be moved to another available host.

Correct Answer: A

Reference: <https://blogs.vmware.com/virtualblocks/2020/02/06/what-happens-vsan-host-in-maintenancemode/>

QUESTION 5

In a vSAN stretched cluster, which value must be set in the vSAN policy if there is no requirement for data mirroring across sites?

- A. SFTT = 0
- B. SFTT = 1
- C. PFTT = 1
- D. PFTT = 0

Correct Answer: A

Reference: <https://www.delltechnologies.com/asset/en-us/products/converged-infrastructure/technicalsupport/h15275-vxrail-planning-guide-virtual-san-stretched-cluster.pdf> (5)

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