

2VB-601^{Q&As}

VMware Specialist: vSAN 6.x Exam

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QUESTION 1

The following are configuration details for a 10-node hybrid vSAN cluster:

Each node has 7 x 2 TB magnetic disks, 1 x 800 GB SSD.

What is the raw capacity of this cluster as configured?

- A. 148TB
- B. Not enough information provided. Cannot be calculated.
- C. 140TB
- D. Cannot be calculated until vSAN is online.

Correct Answer: A

QUESTION 2

Consider the following vSAN stretched cluster scenario:

1.

Site A is the preferred site, Site B is the secondary site

2.

Site C is running the vSANwitness host virtual appliance

3.

A virtual machine named VM01 is located on the vSAN datastore

4.

VM01 is running on a host at SiteB

5.

The vSAN default storage policy is assigned to VM01

6.

The vSAN default storage policy has NOT been modified

7.

All aspects of the cluster are functioning properly

Where are reads and writes for VM01 performed?

- A. Reads are performed at Site B, writes are performed synchronously at Site A and Site B.

- B. Reads and writes are performed at Site A and Site B using a round-robin algorithm.
- C. Reads and writes are performed at Site A since it is the preferred site. Changes to Site A are replicated asynchronously to Site B
- D. Reads are performed at Site B, writes are performed at Site B. Changes to Site B are replicated asynchronously to Site A through the vSAN witness host.

Correct Answer: C

QUESTION 3

Which are two characteristics of a RAID-5 storage configuration? (Choose two.)

- A. Data remains available with the loss of two storage devices.
- B. It uses less raw storage capacity than mirroring with the same level of availability.
- C. Data is striped across multiple storage devices.
- D. It requires a minimum of five storage devices.

Correct Answer: BC

QUESTION 4

What is the purpose of the cache tier in an all-flash vSAN configuration?

- A. The cache tier is used only for write buffering.
- B. The cache tier is used only for read cache.
- C. 70% of the cache tier is used for read cache and 30% is used for write buffering.
- D. 50% of the cache tier is used for read cache and 50% is used for write buffering.

Correct Answer: A

Explanation: all-flash vSAN configurations continue to use the cache tier as a write buffer References: <https://www.vsan-essentials.com/chapter-5-architectural-details>

QUESTION 5

If a vSAN capacity device experiences a pattern of sustained high latency, how does vSAN attempt to remediate the issue?

- A. vSAN attempts to evacuate the data from the storage device.
- B. vSphere DRS migrates all virtual machines from the host containing the affected device
- C. Virtual machines with components on the affected device are rebooted if vSphere Proactive HA is enabled

D. The host containing the storage device is automatically placed into maintenance mode and the "vSAN storage device failure" alarms is triggered.

Correct Answer: A

In vSAN 6.1 we introduced Dying Disk Handling to identify and remediate pro-actively disks that we detected high latency from. When failure of a device is anticipated, vSAN evaluates the data on the device. If there are replicas of the data on other devices in the cluster, vSAN will mark these components as "absent". "Absent" components are not rebuilt immediately as it is possible the cause of the issue is temporary. vSAN waits for 60 minutes by default before starting the rebuilding process. This does not affect the availability of a virtual machine as the data is still accessible using one or more other replicas in the cluster. If the only replica of data is located on a suspect device, vSAN will immediately start the evacuation of this data to other healthy storage devices.

References:https://storagehub.vmware.com/export_to_pdf/vmware-vsant-6-6-technical-overview-1

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