

vmware



## VMware HCI Master Specialist



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# **VMware**

## **Exam 5V0-21.21**

### **VMware HCI Master Specialist**

**Version: 3.0**

**[ Total Questions: 50 ]**

**Question No : 1**

An administrator is planning to deploy cloud-native workloads onto the vSAN Direct datastore.

Which storage policy structure rule is supported?

- A. Host-based rules
- B. vVOL storage rules
- C. Tag-based placement rules
- D. Storage performance-based rules

**Answer: A**

**Question No : 2**

An administrator has been tasked to reboot a node in an encrypted vSAN cluster. The vSAN disk groups on that node become locked after rebooting the node.

Which step should be performed to exit the locked state?

- A. Manually replace the Host Encryption Key (HEK) of each affected host.
- B. Restore the communication with the KMS server, and re-establish the trust relationship.
- C. Replace the caching device in each affected disk group.
- D. Run `/etc/init.d/vsanvdp restart` to rescan the VASA providers.

**Answer: B**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vsan-monitoring.doc/GUID-084B3888-499F-4CD0-8954-A149560B1534.html>

**Question No : 3**

\* Highest possible mitigation during a host failure in terms of capacity.

\* A constraint in this year's IT budget.

What should the architect recommend?

- A.  
Enable operations reserve.  
A minimum cluster of 3 vSAN nodes.

**B.**

Enable host build reserve.

A minimum cluster of 4 vSAN nodes.

**C.**

Enable performance services.

A minimum cluster of 6 vSAN nodes.

**D.**

Enable IOInsight Metrics.

A minimum cluster of 2 vSAN ROBO nodes.

**Answer: B**

#### Question No : 4

An administrator is tasked with preparing for a Cross vCenter migration in a stretched vSAN cluster where the virtual machines migration will be orchestrated via VMware Site Recovery Manager.

Which action should the administrator take so the migration is successful?

**A.** Disable vSAN Deduplication and Compression

**B.** Reconfigure vCenter HA Admission control

**C.** Enable vCenter Single Sign-On Enhanced Linked Mode

**D.** Make sure that Witness traffic is on the management NIC.

**Answer: C**

Reference: <https://docs.vmware.com/en/Site-Recovery-Manager/8.4/com.vmware.srm.admin.doc/GUID-B64096E8-F49A-4BF6-92CE-05FBA972F3C0.html>

#### Question No : 5

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.

**Answer: C,D**

#### **Question No : 6**

An administrator is setting up vSAN file services on a vSAN cluster.

Which two security policies on the distributed port groups are automatically enabled in the process? (Choose two.)

- A.** Forged Transmits
- B.** Promiscuous Mode
- C.** DVFiltering
- D.** Jumbo Frames
- E.** MacLearning

**Answer: A,B**

Reference: <https://www.yellow-bricks.com/2020/04/15/vsan-file-services-considerations/>

**Question No : 7**

An architect is working with an All-Flash vSAN configuration and will be using the Flash Caching Devices in vSAN.

Which requirement is specifically needed for these devices?

- A. Write endurance
- B. IOPS
- C. Read endurance
- D. Capacity

**Answer: A**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vsan-planning.doc/GUID-1D6AD25A-459A-43D6-8FF5-52475499D6A2.html>

**Question No : 8**

Which statement accurately describes the result when proper VM Storage Policy Affinity Rules on a stretched vSAN cluster are set?

- A. When a site is disconnected, the VM will lose access to its VMDK.
- B. When a site is disconnected, the VM will continue to have access to its VMDK.
- C. Bandwidth is unnecessarily sent across the inter-site link.
- D. Proper policies result in higher inter-site bandwidth utilization.

**Answer: A**

**Question No : 9**

During a maintenance action on a vSAN node, a vSAN administrator noticed that the default repair delay time is about to be reached.

Which two commands must be run to extend the time? (Choose two.)

- A. /etc/init.d/vsanmgmt restart
- B. esxcli system settings advanced set -o /VSAN/ClomRepairDelay -i 50
- C. esxcli system settings advanced set -o /VSAN/ClomRepairDelay -i 80
- D. /etc/init.d/clomd restart
- E. /etc/init.d/vsanobserver restart

**Answer: C,D**

Reference: <https://kb.vmware.com/s/article/2075456>

#### Question No : 10

An administrator wants to enable encryption on an existing vSAN cluster that already contains virtual machines.

Which additional step should the administrator take to ensure no data is lost during the encryption process?

- A. Select 'Erase disks before use' check box when enabling encryption on a vSAN cluster.
- B. Make vCenter Server trust the KMS, either by trusting the KMS or by uploading a KMS certificate.
- C. Ensure that the vSAN Encryption is enabled by default on the existing cluster to encrypt old and new data.
- D. Disable vSphere Distributed Resources Schedule (DRS) on the vSAN cluster.

**Answer: A**

Reference: <https://core.vmware.com/resource/vsan-data-rest-encryption#sec7014-sub2>

#### Question No : 11

Upon investigating a workload performance issue, a vSAN administrator observed a high backend IOPs on a vSAN cluster.

Which two causes explain this behavior? (Choose two.)

- A. The cluster DRS threshold has been set to Aggressive.
- B. There is a vSAN node failure.
- C. The vSAN Resync throttling is enabled.