

5V0-21.19^{Q&As}

VMware vSAN 6.7 Specialist Exam 2019

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QUESTION 1

What is the maximum number of failures an object can tolerate with RAID-6?

- A. 2
- B. 3
- C. 4
- D. 6

Correct Answer: A

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter6.html>

QUESTION 2

Refer to the exhibit.



vSAN online health alarm 'vSAN Critical Alert – Patch available for critical vSAN issue'

A vSAN cluster has recently prompted an online health alarm.

What can the system administrator do to resolve the issue?

- A. Disable Customer Experience Improvement Program feature.
- B. Upgrade the ESXi host.
- C. Suppress warning on the alarm.
- D. Move VMs on affected host to other host(s).

Correct Answer: B

QUESTION 3

An administrator is configuring vSAN Encryption on an existing hybrid cluster. During the configuration, the administrator is unable to see any information for the Key Management Server (KMS) cluster in the dropdown menu.

What is necessary for the KMS cluster options to populate?

- A. vSAN encryption requires all-flash configurations.
- B. vSAN encryption needs to be enabled during the creation of a new vSAN cluster.
- C. The Key Management Server needs to be added to vCenter.

D. vSAN encryption is enabled at the VM level by storage policies.

Correct Answer: C

QUESTION 4

A vSAN administrator is building a new vSAN cluster and each host only has two physical uplinks configured in a team.

What can the administrator use to ensure vSAN receives the necessary bandwidth while maintaining high availability?

- A. Route based on IP hash
- B. A dedicated uplink for vSAN traffic
- C. Shared uplinks for all traffic
- D. Network I/O control

Correct Answer: D

QUESTION 5

Which two features are available with the Cluster Quickstart wizard? (Choose two.)

- A. Deploy a vSAN Witness appliance
- B. Update storage controller drivers
- C. Check for errors and inconsistencies
- D. Setup lockdown mode for vSAN hosts
- E. Perform pre-check evaluation for data migration

Correct Answer: BC

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vsan-planning.doc/GUID-CF9767B6-B3F5-4787-9AF3-D661987AE525.html>

QUESTION 6

What is the maximum network latency round-trip time (RTT) requirement for vSAN stretched clusters from data site to data site?

- A. 5ms
- B. 10ms

C. 100ms

D. 200ms

Correct Answer: A

VMware requires a maximum latency of no more than 5 ms RTT (Round-Trip Time) between data sites and no more than 200 ms RTT between data sites and the witness host. Reference: <https://download3.vmware.com/vcat/vmw-vcloud-architecture-toolkit-spv1-webworks/index.html#page/Storage%20and%20Availability/Architecting%20VMware%20vSAN%206.2/Architecting%20Virtual%20SAN%206.2.2.101.html>

QUESTION 7

A vSAN administrator is working with a network administrator to design a highly resilient all-flash vSAN cluster.

Which design factor allows for a highly resilient vSAN network?

A. virtual distributed switch

B. NIC teaming

C. dedicated port groups

D. virtual standard switch

Correct Answer: C

QUESTION 8

vSAN identifies a dying disk.

When is operator action required to provide data protection?

A. when the cluster lacks resources

B. when vSAN Health service is disabled

C. when an object storage policy uses erasure coding

D. when an object storage policy uses FTT=3

Correct Answer: B

QUESTION 9

The Resyncing Objects view in the vCenter UI reports that some objects are currently resyncing. Which two actions would cause the objects to resync? (Choose two).

A. A change to the storage policy is applied to the objects.

B. A VM snapshot is being deleted.

- C. An ongoing vMotion operation is moving a VM between hosts in the cluster.
- D. A host failure occurs in the cluster.
- E. HA Virtual Machine Monitoring forced a VM to reboot.

Correct Answer: AD

QUESTION 10

Refer to the exhibit.

The exhibit shows a 3-node vSAN Cluster (Hybrid) with three ESXi hosts. Two hosts are in a 'Healthy' state (blue), and one is in 'Maintenance Mode' (red). They are connected to a 10GbE Switch. To the right, a storage policy configuration panel is visible, showing settings for Availability, Advanced Policy Rules, and Tags. The 'Availability' tab is selected, showing 'Site disaster tolerance' set to 'None (standard cluster)' and 'Failures to tolerate' set to '1 failure RAID-1 (Mirroring)'. The 'Advanced Policy Rules' tab shows 'Number of disk stripes per object' set to 7, 'IOPS limit for object' set to 0, 'Object space reservation' set to 'Thin provisioning', 'Flash read cache reservation (%)' set to 0, 'Disable object checksum' checked, and 'Force provisioning' checked.

A storage policy has been created for the 3-node vSAN cluster in the exhibit. A VM is deployed using this policy.

What is the expected behavior?

- A. VM will be deployed but remain non-compliant.
- B. VM will be deployed and is reported compliant.
- C. Force provisioning will be turned off automatically.
- D. VM deployment fails.

Correct Answer: A

QUESTION 11

You are designing a vSAN stretched cluster solution.

What is the maximum number of nodes possible for this solution?

- A. 15 per data site + 1 witness host
- B. 30 per data site + 1 witness host
- C. 32 per data site + 1 witness host

D. 64 per data site + 1 witness host

Correct Answer: B

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vmware-vsan-6-7-technical-overview/clustertypes-3/>

QUESTION 12

Which solution is used to apply upgrades to a vSAN cluster?

- A. VMware vRealize Operations Manager
- B. VMware Update Manager
- C. VMware vRealize Automation
- D. VMware Lifecycle Manager

Correct Answer: B

QUESTION 13

An ESXi host is being re-purposed from a 4-node cluster. The default policy is in use and storage utilization is low.

Which maintenance mode should be used to avoid storage policy non-compliance?

- A. Ensure accessibility
- B. No data migration
- C. Proactive rebalance
- D. Full data migration

Correct Answer: A

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-2-node-guide/maintenance-modeconsideration-9/>

QUESTION 14

What is a mandatory requirement for a vSAN stretched cluster?

- A. Two witness hosts protected by vSphere Fault Tolerance
- B. Minimum of two guaranteed lines of 10Gbps bandwidth
- C. vSphere Replication configured between the data sites
- D. Latency between data sites must be less than or equal to 5ms

Correct Answer: D

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter8.html>

QUESTION 15

A vSAN 5-node cluster has two sets of VMs, each associated with a separate storage policy.

-Group A (Storage Policy: FTT=0)

-Group B (Storage Policy: FTT=2)

What are two possible results when two hosts in the vSAN cluster fail permanently? (Choose two.)

- A. VMs in Group B will become inaccessible if a third host permanently fails.
- B. vSAN will rebuild data associated with Group A.
- C. VMs in Group A might experience data inaccessibility.
- D. VMs in Group B might experience data loss.
- E. A host can be put into maintenance mode without impacting VMs in either Group A or B.

Correct Answer: CD

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