

# 5V0-21.19<sup>Q&As</sup>

VMware vSAN 6.7 Specialist Exam 2019

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### QUESTION 1

A system administrator running a 6-node cluster is trying to enable the deduplication and compression feature. During the process of switching it on, the General vSAN error occurs.

What is the possible reason the General vSAN error occurred?

- A. Force provisioning setting is required.
- B. The cluster is a hybrid environment.
- C. Storage policies require FTT=1.
- D. The cluster is an all-flash environment.

Correct Answer: B

Reference: <http://www.optiodata.com/documents/optio/datasheets/dell-emc-vxrail-appliance-techbook.pdf>

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### QUESTION 2

Which fault tolerance method protects business data and achieves storage space efficiency?

- A. RAID-0
- B. RAID-1
- C. RAID-5
- D. RAID-10

Correct Answer: C

Reference: <https://www.prepressure.com/library/technology/raid>

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### QUESTION 3

vSAN is configured with a storage policy with a Failures To Tolerate (FTT) set to three.

What is the minimum number of hosts required in this vSAN cluster?

- A. 4
- B. 5
- C. 6
- D. 7

Correct Answer: D

Reference: <https://docs.ovh.com/gb/en/private-cloud/vmware-vsan/>

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#### QUESTION 4

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>

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#### QUESTION 5

Which two vSAN Health Check items are included for vSphere Update Manager integration? (Choose two.)

- A. vSAN build recommendation
- B. vSAN object health
- C. Online health connectivity
- D. vSAN release catalog up-to-date
- E. Performance data collection

Correct Answer: AC

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-6-7-update-1-technical-overview/vsphere-updatemanager-integration-7/>

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#### QUESTION 6

What is a benefit of using vSphere Distributed Switches in a vSAN network?

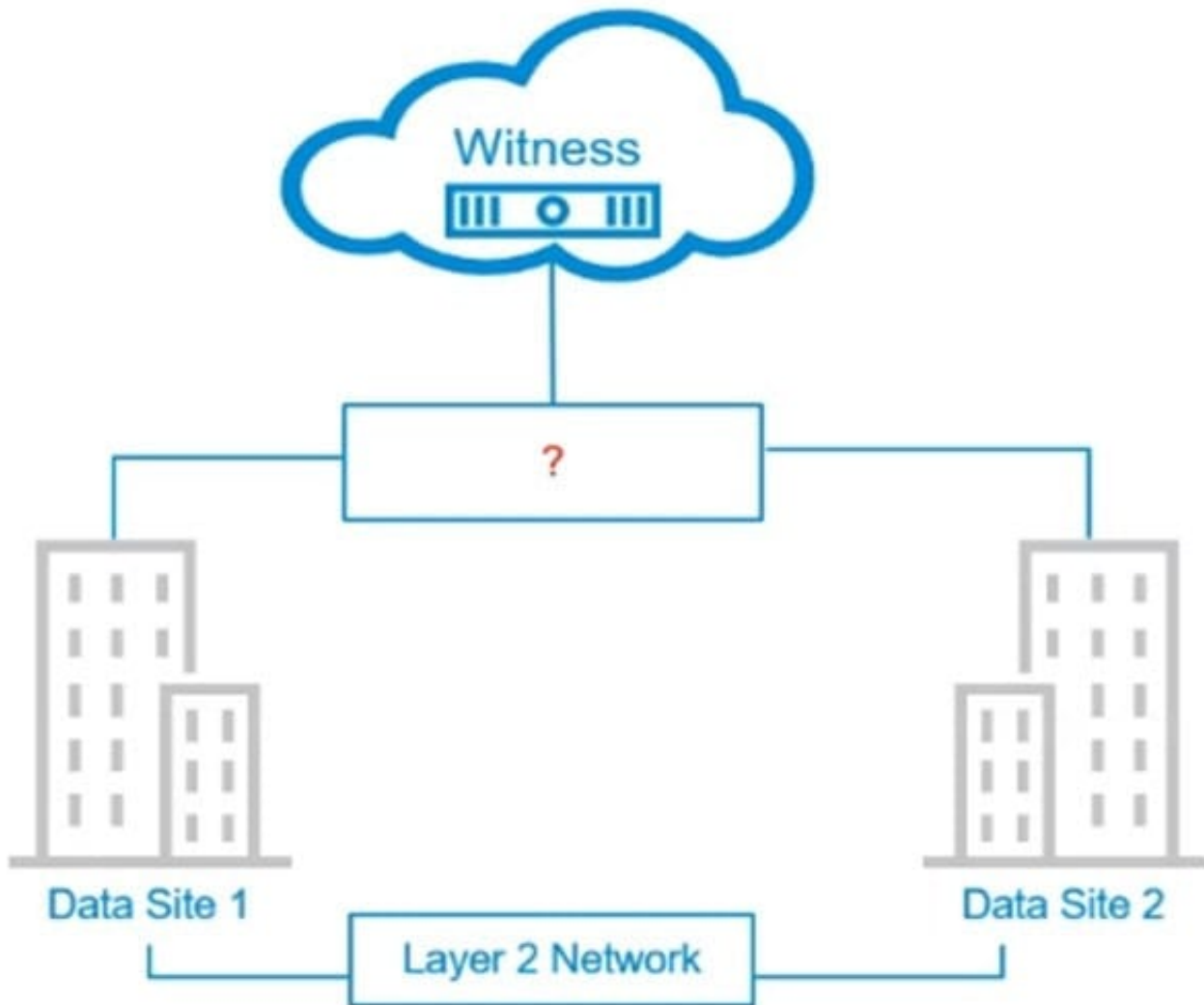
- A. Simplifies network abstraction
- B. Enables network redundancy
- C. Supports faster network adapters
- D. Provides the ability to adjust the MTU

Correct Answer: D

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**QUESTION 7**

Refer to the exhibit.



Which networking requirement fulfills the connectivity between the Data Sites and the Witness node?

- A. Extended Data Site network
- B. vMotion network
- C. Direct Connect network
- D. Layer 3 network

Correct Answer: D

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-2-node-guide/network-designconsiderations-7/>

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#### QUESTION 8

A virtual machine is unable to access one of its virtual disks.

Which vSAN Health check should an administrator view to troubleshoot the issue?

- A. Data > vSAN Object Health
- B. Cluster > vSAN CLOMD Liveness
- C. Cluster > Disk Format Version
- D. Limits > vSAN Component Limit

Correct Answer: A

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#### QUESTION 9

A single disk in a vSAN disk group suffers from an unrecoverable hardware failure. This causes vSAN to set the health status for all disks in the group to Permanent disk loss, indicating disk failure.

Assuming all other disks have not suffered from a hardware failure, why would vSAN mark all disks in the group as failed?

- A. The vSAN disk management service has failed.
- B. The affected vSphere host is offline.
- C. The key management server is offline.
- D. Deduplication and compression are enabled on the vSAN cluster.

Correct Answer: A

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#### QUESTION 10

Which two group types are used to determine capacity breakdown in a vSAN datastore? (Choose two.)

- A. network
- B. CPU
- C. data
- D. memory
- E. object

Correct Answer: CE

Reference: <http://www.virtualizationblog.com/vmware-vsan-capacity-management-and-utilization/>

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### QUESTION 11

An administrator is planning to deploy a new vSAN cluster with these requirements: -Physical adapters will share capacity among several traffic types -Guaranteed bandwidth for vSAN during bandwidth contention -Enhanced security and performance

What must be considered when configuring the new vSAN cluster?

- A. Isolate traffic in a VLAN and utilize Network I/O Control
- B. Utilize IOPS Limit rules in storage policies
- C. Utilize jumbo frames with Network I/O Control
- D. Implement vSphere I/O filters

Correct Answer: A

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vsan-planning.doc/GUID-031F9637-EE29-4684-8644-7A93B9FD8D7B.html>

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### QUESTION 12

The cluster level backend IOPS performance graph shows a higher-than-average number of IOPS. What is a possible reason for this?

- A. Data resynchronizations
- B. Low volume of vSAN vital memory pools
- C. DRS invoking multiple vMotion migrations
- D. Destaging congestion

Correct Answer: A

Reference: <https://kb.vmware.com/s/article/2144493>

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### QUESTION 13

Where are the performance metrics for Write Buffer Free percentage located?

- A. host level vSAN performance metrics
- B. vSAN capacity graphs
- C. vSAN Health Check

D. cluster level vSAN performance metrics

Correct Answer: D

Reference: [https://docs.vmware.com/en/vRealize-Operations-Manager/8.0/com.vmware.vcom.core.doc/](https://docs.vmware.com/en/vRealize-Operations-Manager/8.0/com.vmware.vcom.core.doc/GUID-97A69368-F085-451B-A53C-2210C1554A9D.html)

[GUID-97A69368-F085-451B-A53C-2210C1554A9D.html](https://docs.vmware.com/en/vRealize-Operations-Manager/8.0/com.vmware.vcom.core.doc/GUID-97A69368-F085-451B-A53C-2210C1554A9D.html)

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#### QUESTION 14

In a vSAN Stretched Cluster configuration, when is the non-preferred site determined to be isolated?

- A. When the master node is unable to communicate with any non-preferred site nodes
- B. When the nodes in the non-preferred site are unable to communicate with the vSAN Witness
- C. When the backup node is unable to communicate with the preferred site
- D. When the master node is unable to communicate with the backup node

Correct Answer: B

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#### QUESTION 15

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

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