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VMware vSAN 6.7 Specialist Exam 2019

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QUESTION 1

vCenter reports a number of vSAN network alarms on a 2-node vSAN Direct Connect cluster. The test pings show irregularities in the ping results.

Using vSAN Health service, which two checks should be used to identify the network root cause? (Choose two.)

- A. Physical disk operation health
- B. Network latency
- C. vSAN extended configuration
- D. vSAN disk balance
- E. vSAN basic unicast connectivity

Correct Answer: AB

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter10.html>

QUESTION 2

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 3

In stretched clusters, what is a benefit of implementing a virtual witness rather than a physical witness?

- A. Reduced vSphere licensing
- B. Shared metadata between separate clusters
- C. Increased vSAN datastore capacity
- D. Increased compute for running VMs

Correct Answer: A

Reference: <https://cormachogan.com/2015/09/11/a-closer-look-at-the-vsan-witness-appliance/>

QUESTION 4

How are components marked on a capacity device that is inaccessible?

- A. reduced availability
- B. active-stale
- C. degraded
- D. absent

Correct Answer: C

The vSAN components that reside on the magnetic disk or flash capacity device are marked as degraded. Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID9A2DCE0B-CFA1-41C1-97CE-DA56A55426EA.html>

QUESTION 5

A vSAN all-flash environment with these host specifications has reported high network latency, write latency, and faces degraded performance:

- One 1Gbps (vSAN, vMotion Traffic)
- One 1Gbps (Management, Fault Tolerance traffic)

Based on the specifications of each host, what is recommended to resolve the issue?

- A. collapse all traffic into one 1Gbps NIC
- B. collapse all traffic shared under two 10Gbps NICs
- C. change stripe width to 12
- D. change MTU to 9000

Correct Answer: B

QUESTION 6

Which type of encryption is used for the data encryption key on the vSAN datastore?

- A. TLS 1.1
- B. TLS 1.2
- C. AES-XTS 256
- D. AES-XTS 128

Correct Answer: C

Reference: <https://searchvmware.techtarget.com/tip/VSAN-Encryption-What-it-is-what-it-does-and-how-touse-it>

QUESTION 7

A vSAN administrator has three available racks and six vSAN hosts.

What can a vSAN administrator use to protect against a rack failure while maximizing resources?

- A. explicit fault domain
- B. vSAN stretched cluster
- C. 2-node configuration
- D. RAID-6/FTT=2

Correct Answer: A

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID8491C4B0-6F94-4023-8C7A-FD7B40D0368D.html>

QUESTION 8

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 9

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

QUESTION 10

Which vSAN Health Check category is viewed to confirm supported storage controller drivers are in use across all hosts in the cluster?

- A. Capacity view
- B. Device mapping
- C. vSAN Build Recommendations
- D. Hardware compatibility

Correct Answer: D

Reference: <https://kb.vmware.com/s/article/2149405>

QUESTION 11

What are two recommended reasons for configuring a cluster with at least one node in addition to the minimum required number? (Choose two.)

- A. To ensure object accessibility
- B. To support the use of RAID-6
- C. To provide more flexible storage policy options
- D. To provide full protection during maintenance mode operations
- E. To support data at rest encryption on vSAN hybrid clusters

Correct Answer: CD

Reference: <https://blogs.vmware.com/virtualblocks/2018/05/24/vsan-deployment-considerations/>

QUESTION 12

Which resource provides information about vSAN compatibility with other VMware products?

- A. VMware Product Interoperability Matrices
- B. vSAN Sizing Guide
- C. vSAN Ready Node Configurator
- D. vSAN Compatibility Guide

Correct Answer: D

Reference: <https://www.vmware.com/resources/compatibility/search.php?keyword=34857&details=1&deviceCategory=vsanio&productid=34857>

QUESTION 13

A new vSAN cluster needs to run 900 VMs and protect against one failure. What is the minimum number of nodes needed to meet the requirement?

- A. 3
- B. 4
- C. 5
- D. 6

Correct Answer: A

QUESTION 14

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 15

In a 10-node hybrid vSAN cluster, each node has seven 4TB magnetic disks and one 2TB SSD. What is the raw storage capacity of the vSAN datastore?

- A. 140TB
- B. 150TB
- C. 280 TB
- D. 300 TB

Correct Answer: C

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