2VB-601 Q&As

VMware Specialist: vSAN 6.x Exam

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QUESTION 1

An administrator is designing a vSphere cluster with the VSAN default policy. The requirement is to maintain full redundancy of data and virtual disks during any patching or maintenance of this cluster.

What is needed to meet the needs of this scenario?

A. A minimum of four hosts in the cluster

B. VMware Proactive HA

C. Multiple disk groups per host

D. Use of RAID-5/6 erasure coding

Correct Answer: A

When not using a witness, there is a minimum requirement of 3 ESXi hosts in a vSAN cluster. This is the same for all versions. While vSAN fully supports 3-node configurations, they can behave differently than configurations with 4 or greater nodes. In particular, in the event of a failure there is no way for vSAN to rebuild components on another host in the cluster to tolerate another failure. Also with 3-node configurations, vSAN does not have the ability to migrate all data from a node during maintenance.

Design decision: Consider 4 or more nodes for the vSAN cluster design for maximum availability References: VMware vSAN Design and Sizing Guide. Page: 51

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 three of the listed items are monitored by the vSAN performance service? (Choose three.)

A. VMkernel adapters at the cluster level

B. Virtual machine consumption at the cluster level

C. Disk group at the host level

D. VMkernel adapters at the virtual disk level

E. Backend traffic at the cluster level

Correct Answer: ABE

A:

1.

Navigate to the vSAN cluster in the vSphere Web Client Navigator, and select a host.

2.

Click the Monitor tab and click Performance.

3.

Select vSAN - VMkernel Adapters, and select a VMkernel adapter, such as vmk1. Select a time range for your query.

4.

vSAN displays performance charts for the VMkernel adapter, including throughput, packets per second, and packets loss rate.

BE: When the performance service is turned on, the cluster summary displays an overview of Virtual SAN performance statistics, including Virtual SAN IOPS, throughput, and latency. At the cluster level, you can view detailed statistical

charts for virtual machine consumption and the Virtual SAN back end.

References: https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-93E95CA4D7D1-4729-8FB4-385B55B85FCD.html

QUESTION 4

Which key is required to unencrypt an encrypted core dump when using vSAN encryption?

A. Key Encryption Key (KEK)

B. Disk Encryption Key (DEK)

C. Host Key

D. Internal Key in Digital Envelope

Correct Answer: C

Explanation: The core dump is encrypted with the host key. References: https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.virtualsan.doc/GUID6701FDE9-D1BA-4455-BD9F-3519646D408C.html

QUESTION 5

Which statement the describes the vSAN architecture?

A. Redundant array of independent disks (RAID)

B. Virtual Machine File System (VMFS) on local mirrored storage devices

C. Local storage devices aggregated into a single datastore shared by all hosts in the cluster

D. Block storage enabled through redundant virtual storage appliances

Correct Answer: C

References: https://docs.vmware.com/en/VMware-vSphere/5.5/com.vmware.vsphere.storage.doc/GUID-ACC1039347F6-4C5A-85FC-88051C1806A0.html