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VMware 5V0-22.21

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QUESTION NO: 1

What is the maximum number of 2-node clusters that can share a vSAN Shared Witness host in vSAN 7.0 U1?

- A. 64
- B. 1
- C. 128
- D. 32

ANSWER: A

Explanation:

Reference: <https://esxi.com/2021/01/29/vsan7-install-2/>

QUESTION NO: 2

A vSAN administrator is noticing that the objects resynchronizing in the cluster are taking longer than expected and wants to view the resynchronizing metrics.

Which performance category should the vSAN administrator open?

- A. Backend
- B. Resync Latency
- C. Host Network
- D. Disks

ANSWER: A

Explanation:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/vsan-703-monitoring-troubleshooting-guide.pdf>

QUESTION NO: 3

The Resyncing Objects view in the vCenter UI reports that some objects are currently resyncing.

Which two actions would cause this situation? (Choose two.)

- A. DRS is relocating VMs between vSAN nodes.
- B. HA Virtual Machine Monitoring forced a VM to reboot.

- C. A host failure occurs in the cluster.
- D. A change to the storage policy is applied to the objects.
- E. A VM snapshot is being deleted.

ANSWER: C D

QUESTION NO: 4

Which Storage Policy Structure Rule is supported by vSAN Direct Datastore?

- A. Enable tag/capacity-based placement rules
- B. Enable host-based rules
- C. Enable rules for vSAN storage
- D. Enable storage performance-based rules

ANSWER: A

Explanation:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.virtualsan.doc/GUID-9A3650CE-36AA-459F-BC9F-D6D6DAAA9EB9.html>

QUESTION NO: 5

Which two tools should be used to identify vSAN unassociated objects? (Choose two.)

- A. PowerCLI
- B. RVC
- C. esxcfg
- D. esxcli
- E. vsantop

ANSWER: A B

Explanation:

PowerCLI is a command-line interface for managing VMware vSphere, vSAN and other VMware products. RVC is the Ruby vSphere Console which is an interactive command-line tool for managing vSphere, vSAN, and other VMware products. Using PowerCLI and RVC, you can run commands to identify unassociated objects and take corrective action. For example, you can use PowerCLI to list all vSAN objects and RVC to perform a check on the objects to see if they are unassociated.

vSAN Operations Guide | VMware

<https://core.vmware.com/resource/vsan-operations-guide>

VMware ESXi 6.5 Update 3 Release Notes

<https://docs.vmware.com/en/VMware-vSphere/6.5/rn/vsphere-esxi-65u3-release-notes.html>

VMware vSAN SapienCode

<https://www.sapiencode.com/blog/VMware/vSphere/vSAN>

QUESTION NO: 6

An administrator is preparing maintenance on a host in a vSAN cluster, and the maintenance is expected to take less than one hour. The administrator is considering using the "Full Data Migration" but understands that this can be time consuming and also has additional capacity and performance considerations.

Which action would alleviate these concerns?

- A. Use maintenance mode with "No Data Migration".
- B. Use maintenance mode with "Ensure Accessibility".
- C. Use maintenance mode with "Ensure Accessibly", and increase the vSAN object repair timer to more than one hour.
- D. Take an outage window when users are less likely to be working.

ANSWER: A

Explanation:

According to VMware's documentation, the "No Data Migration" option for maintenance mode should be used when the expected maintenance time is less than one hour. This option will allow the administrator to complete their maintenance without having to wait for a full data migration, which can be time consuming and also has additional capacity and performance considerations. It is important to note that this option will not guarantee the same level of availability as the other options, so it should only be used when the expected maintenance time is less than one hour.

vSAN 2-Node Cluster Guide | VMware

<https://core.vmware.com/resource/vsan-2-node-cluster-guide>

Deploying a vSAN Witness Appliance

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vsan-planning.doc/GUID-05C1737A-5FBA-4AEE-BDB8-3BF5DE569E0A.html>

QUESTION NO: 7

A vSAN administrator is looking at adding a new vSAN cluster with hosts that have 512GB memory.

What is the minimum requirement for the node's flash boot device?

- A. 16GB
- B. 128GB
- C. 32GB
- D. 4GB

ANSWER: D

Explanation:

Reference: <https://thecloudxpert.net/2018/04/05/specialist-vsan-6-x-objective-2-2-describe-vsan-requirements/#:~:text=Flash%20Boot%20Devices,boot%20device%20must%20be%20%3E%2016GB>

QUESTION NO: 8

A host in a vSAN cluster has the following VMware Compatibility Guide approved disks:

- 3 Solid State Drive (SSD) used for cache
- 12 magnetic Hard Disk Drives (HDD) used for capacity

Which two options are valid disk group configurations? (Choose two.)

- A. 1 Disk Group with 2 SSD and 6 HDD
- B. 1 Disk Group with 3 SSD and 12 HDD
- C. 4 Disk Groups with 3 HDD each
- D. 2 Disk Groups with 1 SSD and 6 HDD each
- E. 3 Disk Groups with 1 SSD and 4 HDD each

ANSWER: D E

Explanation:

A disk group requires the following: • One flash device for caching • One to seven capacity devices for storage A host can include a maximum of five disk groups.

QUESTION NO: 9

A vSAN administrator is deploying a four node vSAN cluster to a new work location. To help with configuration and consistency, the vSAN administrator plans to use Quickstart

Which two prerequisites must be met prior to taking this action? (Choose two.)

- A. vDS must be created for vSAN and management traffic.
- B. DRS and HA have been enabled.
- C. vCenter is running on one of the four nodes.
- D. Hosts are running 6.0 U2 or later.
- E. Hosts do not have existing vSAN or network configurations.

ANSWER: D E

Explanation:

Quickstart is a configuration tool that guides vSAN administrators through the process of creating a vSAN cluster from scratch. It is available in vCenter Server 6.0 U2 and later versions. Therefore, before using Quickstart, it is important to ensure that all hosts are running 6.0 U2 or later. The hosts should not have any existing vSAN or network configurations, to avoid any conflicts with the new vSAN cluster being deployed. This is explained in VMware vSAN 6.7 documentation in the section "Creating a vSAN Cluster using the Quickstart Configuration" Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-vmware-67-admin-guide/GUID-7A6C9F9C-1F74-4E44-8848-B1A2FBC6F2F6.html>

QUESTION NO: 10

A vSAN cluster has the following configuration:

- 4 hosts with 1 disk group per host
- Each disk group contains 1 cache device and 7 capacity devices

What are two ways to increase the vSAN datastore storage capacity? (Choose two.)

- A. Add a capacity drive to each disk group.
- B. Replace a cache device with a larger cache device.
- C. Add a disk group to each host.
- D. Add a cache device to each disk group.
- E. Add a host to the cluster.

ANSWER: A C

Explanation:

<https://configmax.vmware.com/guest?vmwareproduct=vSphere&release=vSphere%206.7&categories=7-0>

According to the VMware Official Guide, "Adding capacity drives increases the storage capacity of the disk group and the vSAN datastore. Adding a disk group to each host increases the storage capacity of the vSAN datastore."