VMware HCI Master Specialist

1. In a stretched vSAN cluster, how is Read Locality established after fail over to the secondary site?

A. 100% of the reads comes from vSAN hosts on the local site

B. 50% of the reads comes from vSAN hosts on the local site

C. 100% of the reads comes from vSAN hosts on the remote site

D. 50% of the reads comes from vSAN hosts on the remote site

Answer(s): A

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2. In a vSAN stretched cluster, which value must be set in the vSAN policy if there is no requirement for data mirroring across sites?

A. SFTT = 0

B. SFTT = 1

C. PFTT = 1

D. PFTT = 0

Answer(s): D

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3. An architect needs to automate an infrastructure that supports VMware Horizon as well as VMware Tanzu. Which solution mandates the use of VMware vSAN?

A. VMware Cloud Foundation

B. VMware Horizon

C. VMware Tanzu

D. VMware vRealize Automation

Answer(s): A

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4. An administrator is setting up vSAN file services on a vSAN cluster.
Which two security policies on the distributed port groups are automatically enabled in the process? (Choose two.)

☐ A. Forged Transmits

☐ B. Promiscuous Mode

☐ C. DVFiltering

☐ D. Jumbo Frames

☐ E. MacLearning

Answer(s): A E

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5. An administrator has been tasked to reboot a node in an encrypted vSAN cluster. The vSAN disk groups on that node become locked after rebooting the node.
Which step should be performed to exit the locked state?

A. Manually replace the Host Encryption Key (HEK) of each affected host.

B. Restore the communication with the KMS server, and re-establish the trust relationship.

C. Replace the caching device in each affected disk group.

D. Run /etc/init.d/vsanvpd restart to rescan the VASA providers.

Answer(s): B

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6. An administrator wants to check the performance metrics for the workloads and their virtual disks that are running on a vSAN cluster, but no statistical charts are displayed in the vSphere client.

Why is this behavior being seen? Options:

A. vSAN network diagnostic mode is not enabled.

B. vSAN proactive tests haven't been run yet.

C. vSAN performance service is turned off.

D. vSAN performance verbose mode is not enabled.

Answer(s): C

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7. In a vSAN stretched cluster, which value must be set in the vSAN policy if there is no requirement for data mirroring across sites?
Options:

A. SFTT = 0

B. SFTT = 1

C. PFTT = 1

D. PFTT = 0

Answer(s): A

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8. After a vSAN Witness Appliance network configuration, the vSAN administrator notices that vSAN traffic flows from vmk0 (Management Traffic) rather than vmk1 (vSAN Traffic).
Which step should be taken to resolve this issue? Options:

A. Configure vmk0 with IP address on the same range as that of vmk1.

B. Tag the vmk0 for vSAN traffic.

C. Configure vmk1 with IP address on the different network than that of vmk0.

D. Tag the vmk1 for Witness traffic

Answer(s): C

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9. During a maintenance action on a vSAN node, a vSAN administrator noticed that the default repair delay time is about to be reached.
Which two commands must be run to extend the time? (Choose two.) Options:

☐ A. /etc/init.d/vsanmgmtd restart

☐ B. esxcli system settings advanced set -o /VSAN/ClomRepairDelay -i 50

☐ C. esxcli system settings advanced set -o /VSAN/ClomRepairDelay -i 80

☐ D. /etc/init.d/clomd restart

☐ E. /etc/init.d/vsanobserver restart

Answer(s): C D

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10. A company has engaged a consultant to upgrade an existing vSAN cluster to vSAN 7.0 U1. During the discovery phase, the consultant found the following information about the existing environment:

* The VMware vCenter Server has recently been upgraded from VMware vSphere 6.7 U3 to version 7.0 U1.
* The vSAN Cluster was recently expanded with identical hardware specification, but from a different hardware vendor.
* The hardware for each vSAN node is listed on the vSAN Compatibility Guide (VCG) for vSAN 7.
* The vSAN Cluster has the following configuration:
- vSAN version: 6.6.1
- Number of vSAN nodes: 10
- Encryption: enabled
- Deduplication and Compression: enabled
- vSAN Capacity Utilization: 60%
* Each vSAN node has the following configuration:

- VMware vSphere ESXi version: 6.5 Update 3
- CPU: 2 processors, 20 cores
- RAM: 768GB RAM.
- Disk: 2 Cache SSDs and 6 Capacity SSDs
- Network: 4 x 10GbE

Which three recommendations should the consultant make to ensure all data remains protected in the event of a vSAN failure? (Choose three.)

Options:

☐ A. The Full data migration maintenance mode option must be chosen to protect the data during the upgrade.

☐ B. The Ensure accessibility, migration maintenance mode option must be chosen to protect the data during the upgrade.

☐ C. The upgrade process should be completed using host upgrade baselines in VMware vSphere Lifecycle Manager (vLCM).

☐ D. The vSAN nodes should be upgraded to vSphere ESXi 7.0 U1.

☐ E. The upgrade process should be completed using images in VMware vSphere Lifecycle Manager (vLCM).

☐ F. The vSAN nodes should be upgraded to vSphere ESXi 6.7 U3.

Answer(s): B D E

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11. An administrator is planning to deploy cloud-native workloads onto the vSAN Direct datastore. Which storage policy structure rule is supported?

Options:

A. Host-based rules

B. vVOL storage rules

C. Tag-based placement rules

D. Storage performance-based rules

Answer(s): A

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12. An administrator is tasked with preparing for a Cross vCenter migration in a stretched vSAN cluster where the virtual machines migration will be orchestrated via VMware Site Recovery Manager. Which action should the administrator take so the migration is successful?
Options:

A. Disable vSAN Deduplication and Compression

B. Reconfigure vCenter HA Admission control

C. Enable vCenter Single Sign-On Enhanced Linked Mode

D. Make sure that Witness traffic is on the management NIC.

Answer(s): C

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13. An architect is working with an All-Flash vSAN configuration and will be using the Flash Caching Devices in vSAN. Which requirement is specifically needed for these devices?

A. Write endurance

B. IOPS

C. Read endurance

D. Capacity

Answer(s): A

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14. An administrator is tasked with migrating a VMware Horizon View environment that is currently running on an NFS Datastore to VMware vSAN.
Which Horizon configuration option will not be available when configuring vSAN in Horizon View?

A. Instant Clones

B. Linked Clones

C. Storage Tiers

D. Storage Profiles

Answer(s): C

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15. An administrator managing a vSAN cluster of six-nodes with policy FTT-2/RAID-6 decided to put one of the nodes in maintenance mode using the "Full-data migration" option.
What will happen after this action is taken?

A. The host will enter in maintenance mode and the data will remain accessible until the host exits maintenance mode.

B. The system will prompt to add an additional host to the cluster in order to preserve the policy compliance.

C. The host will enter in maintenance mode and only data with no redundancy will remain accessible.

D. The host will enter into maintenance mode if both components of a certain object are residing on that host, then one of the components will be moved to another available host.

Answer(s): A

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16. A 4-node vSAN cluster is configured with an erasure coding storage policy. The Ensure Accessibility maintenance mode was selected. While performing the maintenance, a second node fails.
What will be the impact on the vSAN cluster?

A. There will be no impact on performance.

B. The VMs will no longer be accessible.

C. The performance will be degraded.

D. The VMs will be in a suspended state.

Answer(s): A

17. An architect is working with vSAN and setting the fault domains to support FTT=1. How many fault domains will be needed?

A. 2

B. 3

C. 4

D. 1

Answer(s): B

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18. An administrator has an absent capacity disk.
Which action, if any, should the administrator take to resolve the problem?

A. Wait, and vSAN will rebuild it.

B. Replace the faulty disk.

C. Replace the faulty host.

D. Verify the host is not isolated.

Answer(s): A

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19. An administrator of "vsan-prod" cluster noticed the witness components of VMs are flagged as absent after a failed attempt to replace the vSAN Witness Host.
Which action should the administrator take to resolve this issue?

A. Upgrading the vSAN on-disk format

B. Running the vSAN Skyline Health check to ensure there are vSAN Object Health errors and executing the Repair Object Immediately option

C. Using the RVC command: vsan.resync_dashboard ~/computers/vsan-prod

D. Placing the vSAN Witness Host in Maintenance Mode and adding to the vSAN cluster

Answer(s): D

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20. An administrator is tasked with sharing storage from one vSAN cluster to another vSAN cluster. SPBM management must be preserved end-to-end, and the policy must be applied by the source vSAN cluster which is storing the data. Both vSAN clusters are managed by the same vCenter server.
What should the administrator configure?

A. NFS volumes on vSAN

B. iSCSI targets on vSAN

C. HCI Mesh on vSAN

D. vVOLs on Vsan

Answer(s): C