

## 5V0-21.20<sup>Q&As</sup>

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**QUESTION 1**

An architect has been asked to plan the impact of a storage policy change to one of the production All-Flash based vSAN datastores. The change will reduce the failures to tolerate value from 2 to 1 for objects with a RAID-1 (Mirroring) layout in the existing policy. This change will be applied to multiple VMs.

Which statement is correct in this scenario?

- A. FTT-2 requires another change to apply a RAID-6 configuration.
- B. The policy will need to be recreated and applied with an additional tag.
- C. There will be no objects rebuilt that impact performance.
- D. There will be an object rebuild impact on performance.

Correct Answer: D

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**QUESTION 2**

A vSAN administrator wants to implement end-to-end prioritization of vSAN traffic across the network in a shared network infrastructure that is using vSphere Distributed Switches (VDS). Which two can help achieve this objective? (Choose two.)

- A. Configure CoS or DSCP with high priority tag at the VDS and equivalent in the physical network.
- B. Enable jumbo frames for vSAN VMkernel ports and configure LACP for optimal load balancing.
- C. Enable Network I/O Control and allocate higher shares for vSAN traffic.
- D. Configure multiple vSAN VMkernel interfaces to load balance across multiple uplinks.
- E. Enable network resource pool at the VDS level to prioritize vSAN traffic.

Correct Answer: BC

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**QUESTION 3**

Which is true of the vSAN iSCSI target service?

- A. It is a VMware supported cost effective way to provide shared storage to another hypervisor.
- B. The vSAN default storage policy determines the characteristics of the vSAN iSCSI target service storage objects.
- C. Security is provided through the iSCSI CHAP and Mutual CHAP Authentication methods.
- D. It is a VMware supported solution to provide iSCSI targets to applications that require multiple connections per session (MCS).

Correct Answer: B

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**QUESTION 4**

An All-Flash vSAN cluster has 4 nodes with this disk group composition on each host:

1 × 800 GB SAS SSD

6 × 3.84 TB SATA SSD

An administrator observes that in an All-Flash cluster, the Write Buffer Free Percentage is consistently low. As a result, there is increased latency experienced by the workloads.

Which remediation steps will resolve this issue?

- A. Add a second disk group with a new cache device and distribute the capacity disks equally.
- B. Add a second cache device to the same disk group to increase the caching size.
- C. Modify advanced vSAN configuration parameters to utilize the complete 800 GB for caching.
- D. Replace the existing cache device with a larger cache device.

Correct Answer: C

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**QUESTION 5**

DRAG DROP

What is the correct power down sequence for shutting down all nodes in a vSAN cluster with vCenter on the vSAN datastore?

(Place the first selection in the sequence at the top of the list, followed by the second, and so on until the last selection is at the bottom of the list.)

Select and Place:

**Step**

Power off each host.

Wait for objects to finish resyncing.

Power off the VCSA.

Place each host in maintenance mode using no data migration via the host client.

Power off the VMs excluding the vCenter.

**Step**

Correct Answer:

Step	Step
	Power off the VMs excluding the vCenter.
	Wait for objects to finish resyncing.
	Place each host in maintenance mode using no data migration via the host client.
	Power off the VCSA.
	Power off each host.

Reference: <https://kb.vmware.com/s/article/2142676>

## QUESTION 6

An administrator has been tasked with the shutdown process of one of the nodes in a 4-node vSAN Cluster, in order to replace a motherboard. The administrator must select the correct maintenance mode option to ensure all objects remain compliant with the vSAN Default Storage Policy. No changes have been made to this policy.

Which maintenance mode option should the administrator select?

- A. Allow Reduced Redundancy
- B. Ensure Accessibility
- C. Full Data Migration
- D. No Data Migration

Correct Answer: D

Reference: <https://kb.vmware.com/s/article/60424>

## QUESTION 7

A 3-node All-Flash vSAN cluster has this configuration:

One disk group per host All disk groups have identical make and model disks of an 800GB NVMe SSD cache and 2x 4TB SAS SSDs each An administrator has been tasked with expanding storage capacity by adding one additional disk group with this configuration: 1.6TB SAS SSD cache and 1x 4TB SAS SSDs Assuming all the disks are compliant with the vSAN HCL, which is true?

- A. The additional disk group would not be possible as vSAN would not allow it.
- B. The additional disk group would work and be fully supported by VMware support.
- C. The additional disk group will generate an 'Advanced vSAN Configuration in sync' health check warning.
- D. The additional disk group would make this cluster an unsupported configuration.

Correct Answer: D

Reference: <https://blogs.vmware.com/virtualblocks/2019/04/18/vsan-disk-groups/>

**QUESTION 8**

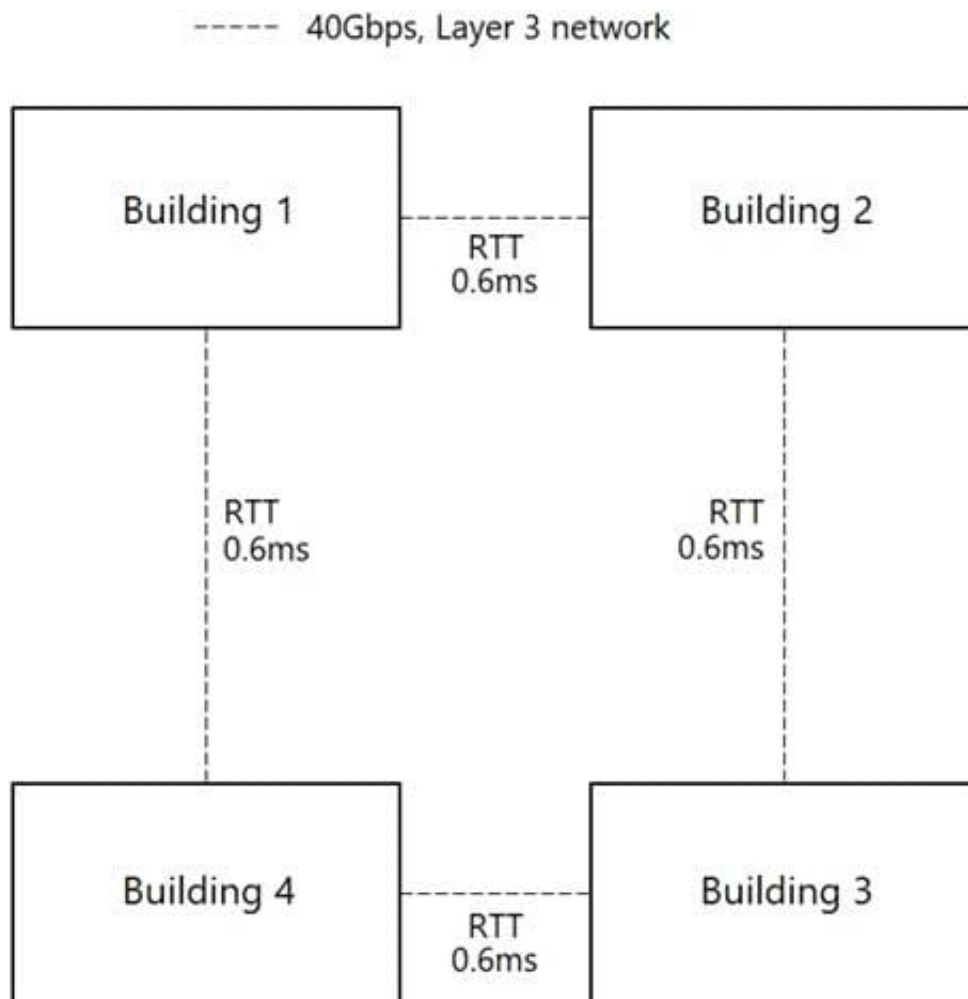
Which storage policy can be assigned to virtual machines in a 5-node, all flash vSAN cluster, to provide the highest level of redundancy?

A. 1 failure

Correct Answer: B

**QUESTION 9**

Reference the exhibit.



A university campus has a site topology illustrated in the exhibit. Adjacent connected buildings are connected with a single 40gb layer 3 network with a RTT of 0.6ms as depicted by each line. An architect wants to configure a fault

domain in each building.

What would the architect need change in order to implement a fully supported vSAN Cluster?

- A. Enable a single Layer 2 network across all buildings for vSAN connectivity.
- B. Decrease the existing RTT between the existing links by 0.1ms or more.
- C. Add an additional link to the existing adjacent links to make it redundant.
- D. Enable IPv6 networks across all buildings for vSAN connectivity.

Correct Answer: C

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## QUESTION 10

Which two storage policy changes require a full rebuild of all components for an object? (Choose two.)

- A. Increase the number of disk stripes for an object from 2 to 3.
- B. Increase the IOPS limit for an object.
- C. Reduce the Primary Failures to Tolerate from 2 to 1 for an object using a failure tolerance method of RAID-1 (Mirroring.)
- D. Disable object checksum on an object.
- E. Change the failure tolerance method of an object from RAID-1 (Mirroring) to RAID-5 (Erasure Coding).

Correct Answer: CE

Reference: <https://cormachogan.com/2018/02/21/policy-changes-can-trigger-rebuild-vsan/>

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