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**QUESTION 1**

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.)

- 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.

Correct Answer: BDE

**QUESTION 2**

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?

- 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.

Correct Answer: C

Some tools allow for measuring latency peaks. This unfortunately isn't ideal, as it can unfairly represent statistical outliers, which may very well occur when there is little to no I/O activity. The best way to understand the actual behavior of VM and application latencies is to observe in time based performance graphs. Depending on the level of detail, you may need to measure at the individual VMDK level. Become familiar with these graphs to determine what is normal, and what is not for that given application. This is where you can use built-in functionality of vCenter and the vSAN performance service metrics to gather this information.

Reference: https://core.vmware.com/resource/troubleshooting-vsan-performance#_Toc536646873

QUESTION 3

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?

- 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.

Correct Answer: C

Reference: <https://docs.vmware.com/en/Site-Recovery-Manager/8.4/com.vmware.srm.admin.doc/GUIDB64096E8-F49A-4BF6-92CE-05FBA972F3C0.html>

QUESTION 4

An administrator has been tasked with enabling encryption for existing virtual machines on a vSAN cluster. Which three



prerequisites must be satisfied before completing the task? (Choose three.)

- A. Create an encryption storage policy
- B. Enable Data-In-Transit encryption first
- C. Enable that the virtual machines are powered on
- D. Verify if a role with privilege "Cryptographic operations.Encrypt new" is assigned
- E. Verify if a role with privilege "Cryptographic operations.Migrate" is assigned
- F. Establish a trusted connection with the KMS

Correct Answer: CDF

QUESTION 5

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

Correct Answer: AB

Reference: <https://www.yellow-bricks.com/2020/04/15/vsan-file-services-considerations/>

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