NCM-5.15Q&As

Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) 5.15

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QUESTION 1

An administrator is responsible for the following Nutanix Enterprise Cloud environment: A central datacenter with a 20-node cluster with 1.5PB of storage Five remote sites each with a 4-node cluster with 200TB storage

The remote sites are connected to the datacenter via 1GB links with an average latency of 6 ms RTT.

What is the minimum RPO the administrator can achieve for this environment?

A. 0 minutes

B. 15 minutes

C. 1 hour

D. 6 hours

Correct Answer: B

QUESTION 2

An administrator needs to replace the self-signed certificate on a cluster. Which two requirements must be met as part of the process? (Choose two.)

A. The cluster administrator must restart the interface gateway.

B. The signed, intermediate and root certificates are chained.

C. The existing certificate must be deleted prior to replacement.

D. The imported files for the custom certificate must be PEM encoded.

Correct Answer: BD

QUESTION 3

An administrator receives reports about a Nutanix environment. The investigation finds the following;

VMs are experiencing very high latency

Each node is equipped with a single SSD, utilized at 95%

Each node is equipped with three HDDs, utilized at 40%

Why are the guest VMs experiencing high latency?

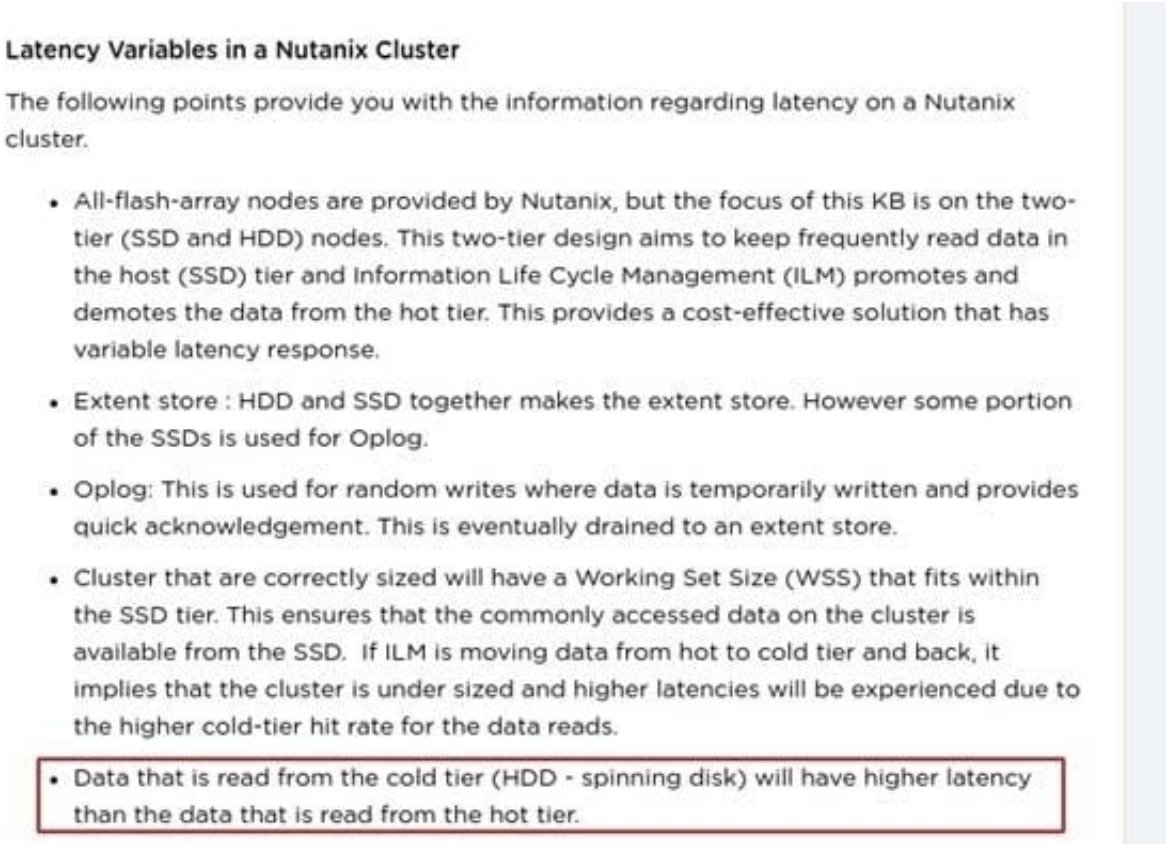
A. CVMs are overwhelmed by disk balancing operations.

B. All VM write operations are going to HDD.

C. All VM read operations are coming from HDD.

D. VMs are unable to perform write operations

Correct Answer: C



Latency Variables in a Nutanix Cluster

The following points provide you with the information regarding latency on a Nutanix cluster.

- All-flash-array nodes are provided by Nutanix, but the focus of this KB is on the two-tier (SSD and HDD) nodes. This two-tier design aims to keep frequently read data in the host (SSD) tier and Information Life Cycle Management (ILM) promotes and demotes the data from the hot tier. This provides a cost-effective solution that has variable latency response.
- Extent store : HDD and SSD together makes the extent store. However some portion of the SSDs is used for Oplog.
- Oplog: This is used for random writes where data is temporarily written and provides quick acknowledgement. This is eventually drained to an extent store.
- Cluster that are correctly sized will have a Working Set Size (WSS) that fits within the SSD tier. This ensures that the commonly accessed data on the cluster is available from the SSD. If ILM is moving data from hot to cold tier and back, it implies that the cluster is under sized and higher latencies will be experienced due to the higher cold-tier hit rate for the data reads.
- Data that is read from the cold tier (HDD - spinning disk) will have higher latency than the data that is read from the hot tier.

Reference: https://next.nutanix.com/how-it-works-22/disk-i-o-latency-on-a-nutanix-cluster-38349

QUESTION 4

An administrator is monitoring the Nutanix v5.15-based AOS cluster performance logs and notices that a SQL server VM is greatly exceeding its intended maximum IOPS. The administrator has confirmed that a QoS policy was previously created for the group of VMs this server is a member of.

What are two reasons that this VM would exceed its maximum configured IOPS from the QoS Policy? (Choose two.)

A. The VM is missing the required snapshot needed to implement the QoS Policy.

B. The VM was not created as an AFS virtual machine.

C. The SQL Server VM has volume groups attached.

D. It was cloned from another SQL Server VM that was a member of the QoS Policy.

Correct Answer: BC

QUESTION 5

An administrator needs to initiate a new VDI project within a couple of months. Prism Central reports there are no storage resources to accommodate such workloads.

The administrator sees many powered-off VMs and has the authority to delete test VMs powered off at least for 30 days. Test VMs belong to the Test category.

Using Prism Central, which steps are required to identify the correct VMs to be deleted?

A. Use Capacity Runway to filter by Test and Powered-off VMs

B. Filter VMs list, choose Test category and Inactive under Efficiency

C. Create a new Scenario selecting Test VMs. filter by uptime

D. Create a new Project selecting Test VMs, sorting by power state

Correct Answer: B