

NCP-MCI-6.5^{Q&As}

Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)
v6.5 exam

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QUESTION 1

An administrator migrates a VM onto a new Nutanix cluster- After the migration, the administrator observes the following conditions:

Cluster memory utilization: 64%

Cluster CPU utilization: 19%

Cluster storage utilization. 32%

Average VM CPU utilization: 25%

Average VM CPU ready%: 24%

Average VM memory utilization: 60%

Which two changes should the administrator make to improve VM performance? (Choose two.)

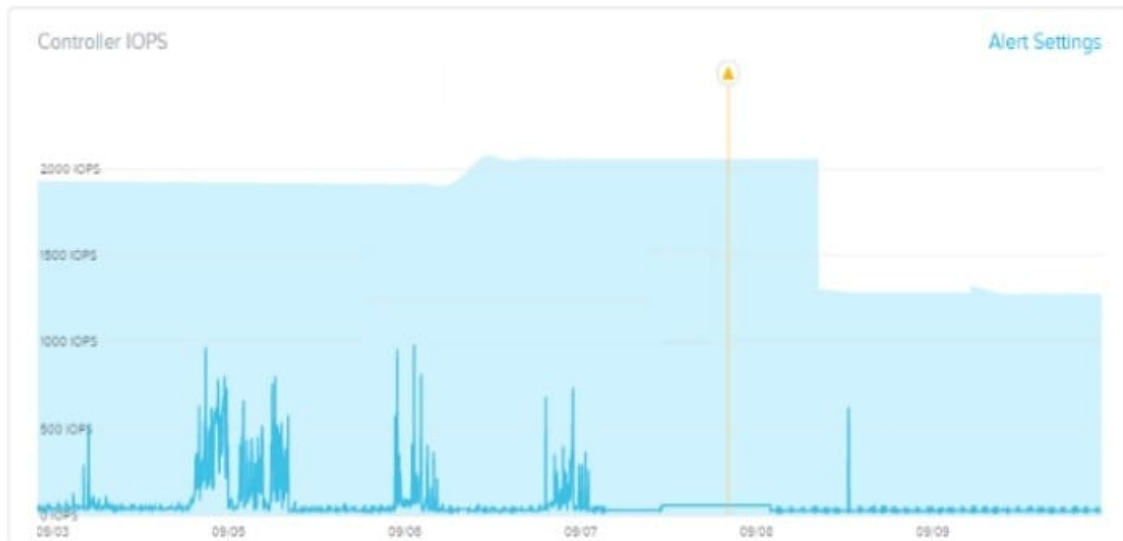
- A. Reduce the number of vCPUs assigned to VMs.
- B. Add more memory to the VMs.
- C. Reduce the number of VMs on the hosts.
- D. Replace high core count CPUs with high clock rate CPUs.

Correct Answer: CD

QUESTION 2

Refer to exhibit:

Refer to the exhibit.



Why has an anomaly been triggered?

- A. Controller reached 2500 IOPS.
- B. Observed IOPS exceed normal values.
- C. Normal Controller behavior has increased.
- D. Observed values do not match predicted values.

Correct Answer: D

Explanation: Nutanix anomaly detection is a feature that monitors seasonal trends for time-series data (e.g. CPU usage, memory usage, latency, etc.) and establishes a "band" of expected values based on historical data¹². Only values that hit outside the "band" will trigger an event / alert¹.

Nutanix leverages a method for determining the bands called "Generalized Extreme Studentized Deviate Test"¹¹. A simple way to think about this is similar to a confidence interval where the values are between the lower and upper limits

established by the algorithm.

Another web source³ shows an example of how anomaly detection works in Nutanix Prism Central. In the video, you can see that when the observed value of a metric deviates significantly from the predicted value based on historical data, an

anomaly event is triggered and displayed on a chart.

Therefore, by comparing the observed values with the predicted values based on historical data, Nutanix anomaly detection can identify abnormal behavior and alert you accordingly.

QUESTION 3

An administrator wants to ensure that data in a container is stored in the most space efficient manner as quickly as possible after being written,

Which space efficiency too meets this requirement?

- A. Inline Compression
- B. Thin Provisioning
- C. Cache Deduplication
- D. Erasure Coding

Correct Answer: A

Explanation: inline compression is a technique that compresses all incoming write I/O operations over 4 KB inline in the persistent write buffer (oplog)²³. This approach enables you to use oplog capacity more efficiently and helps drive sustained performance². From AOS 5.18 onward, inline compression (compression delay=0) is enabled by default for all new containers²⁴. <https://portal.nutanix.com/page/documents/solutions/details?targetId=TN-2032-Data-Efficiency:TN-2032-Data-Efficiency>

QUESTION 4

A vDisk is read by multiple VMs. The cluster creates immutable copies of the vDisk. What are these vDisk copies called?

- A. Disk Clones
- B. Golden Images
- C. Volume Groups
- D. Shadow Clones

Correct Answer: C

QUESTION 5

Which two capabilities does IPAM provide in a Nutanix networking configuration? (Choose two.)

- A. Allows proxy server settings to be set up for a defined network
- B. Allows AHV to assign IP addresses automatically to VMs using DHCP
- C. Configures a VLAN with an IP subnet and assigns a group of IP addresses
- D. Configures firewall rules to prevent or allow certain TCP/IP traffic

Correct Answer: BC

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