NCM-5.15^{Q&As}

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

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QUESTION 1

An administrator finds that home shares cannot be configured in a new Files 3.5 deployment.

Why is this happening?

A. NFS default access is set to Read Only.

B. Multi-protocol access is not configured.

C. Access Based Enumeration is not enabled.

D. The system is deployed as a single FSVM.

Correct Answer: D

Reference: https://portal.nutanix.com/page/documents/details?targetId=Files-v35:fil-file-share-create-wc-t.html
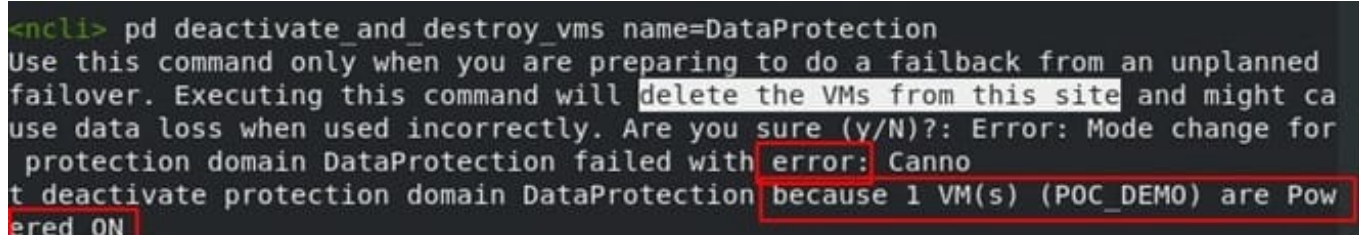
QUESTION 2

A customer recently set up Async Replication between Site A and Site B. The customer wants to conduct a planned failover and clicks Activate on Site B. The customer then runs the following command on Site A: ncli pd

deactivate_and__destroy_vms name=.

What does this do to the customer environment?

A. VMs get deleted from Site B and the protection domain is now Active.

B. VMs are powered off on Site A and must be manually powered on at Site B.

C. VMs get deleted from Site A and the protection domain is no longer active.

D. Customer must then manually power off VMs at Site A and power them on at Site B.

Correct Answer: C

QUESTION 3

In a Nutanix cluster, a Protection Domain contains 50 entities that are replicated to a remote Single Node Replication

Target. The current schedule configuration is as follows: Repeat every 6 hours Local Retention Policy 1 Remote Retention Policy 8 Starting time 12 am

At 8 am on Monday, the administrator discovers that a protected VM is corrupted. The latest good state was Sunday 2 pm. The administrator needs to maintain current protection.

Which strategy should the administrator use to meet these requirements?

A. From the Remote site, activate the Protection Domain, then re-protect the entity.

B. From the Remote site, restore the VM from the local snapshot by selecting the correct snapshot.

C. From the local site, retrieve the correct remote snapshot, then restore the VM locally.

D. From the local site, restore the VM from the local snapshot by selecting the correct snapshot.

Correct Answer: C

QUESTION 4

An administrator needs to create and start five new VMs for a Data Analytics Project (OLAP). The VM Profile is as follows: vCPU:4 vRAM: 64 GB vDisk: 1.5 TB

Each of the four nodes of the Nutanix cluster has the following: 24 vCPU. 20% overall usage 192 GB RAM, 60% overall usage 2 x l920 GB SSD 4 x 2 TB HDD

At cluster level, there is a single RF2 container that is 30% utilized and has an extent store capacity of 13.5 TB.

Which component requires administrator attention?

A. Physical RAM, because it is not enough to power on all of the new VMs.

B. Physical Cores, because they are not enough to power on all of the new VMs.

C. Storage, because the capacity is not enough to create VMs.

D. Flash Tier because it is not enough to accommodate the workloads.

Correct Answer: A

QUESTION 5

Refer to the exhibits.

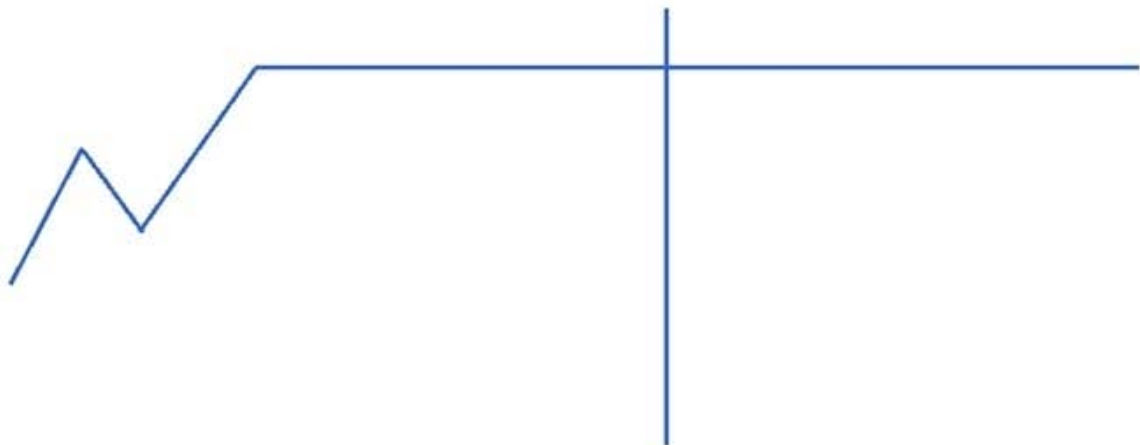An administrator has reported that a new VM is not performing well.

Prism Element, VM Table Metrics

VM Name: NCNCAPVM
Cores: 4
Memory Capacity: 8GiB
Storage: 9.86 GiB / 40 GiB
CPU Usage: 25.85%
Memory Usage: 0%
Controller Read IOPS: 0
Controller Write IOPS: 0
Controller I/O Bandwidth: 13 KBps
Controller Avg IO Latency: 2.33ms
Backup ...: Yes
Flash Mode: No

Prism Element, Analysis Chart
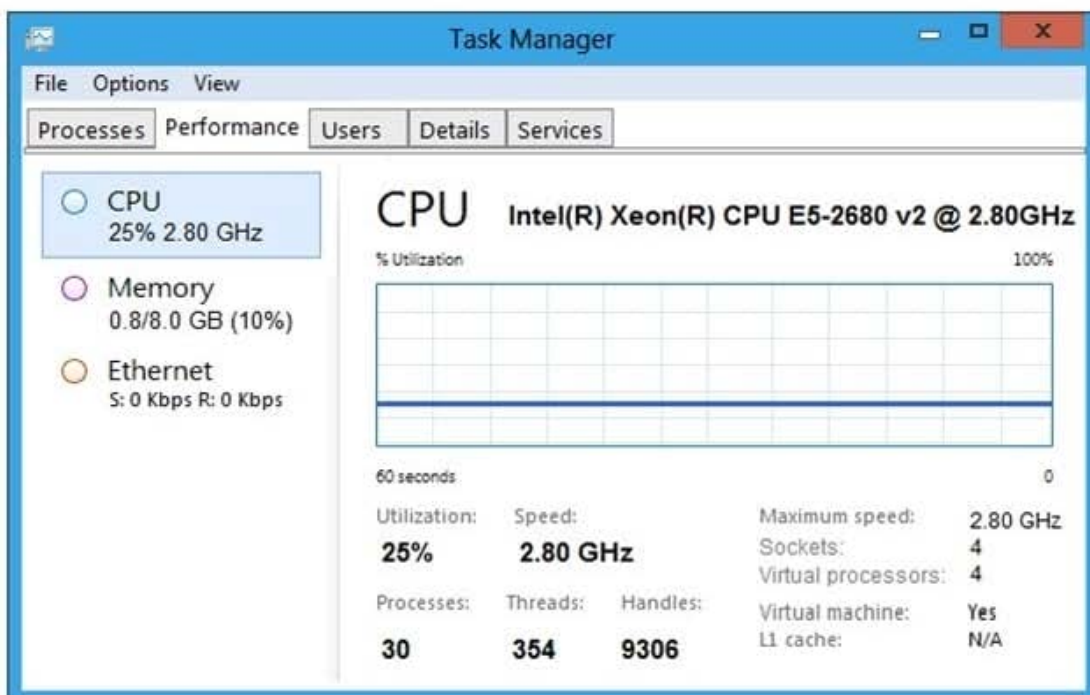
After analyzing the information presented in the exhibits, which option shows the best conclusion regarding this workload?

A. VM is CPU constrained since the hypervisor cannot provide the required resources.

B. VM is CPU constrained because more CPU needs to be added to the VM.

C. VM is Storage constrained, because the workload is waiting for storage access.

D. VM is not CPU constrained, because the VM is not running, a multithreaded application.

Correct Answer: C

QUESTION 6

Refer to the exhibit.
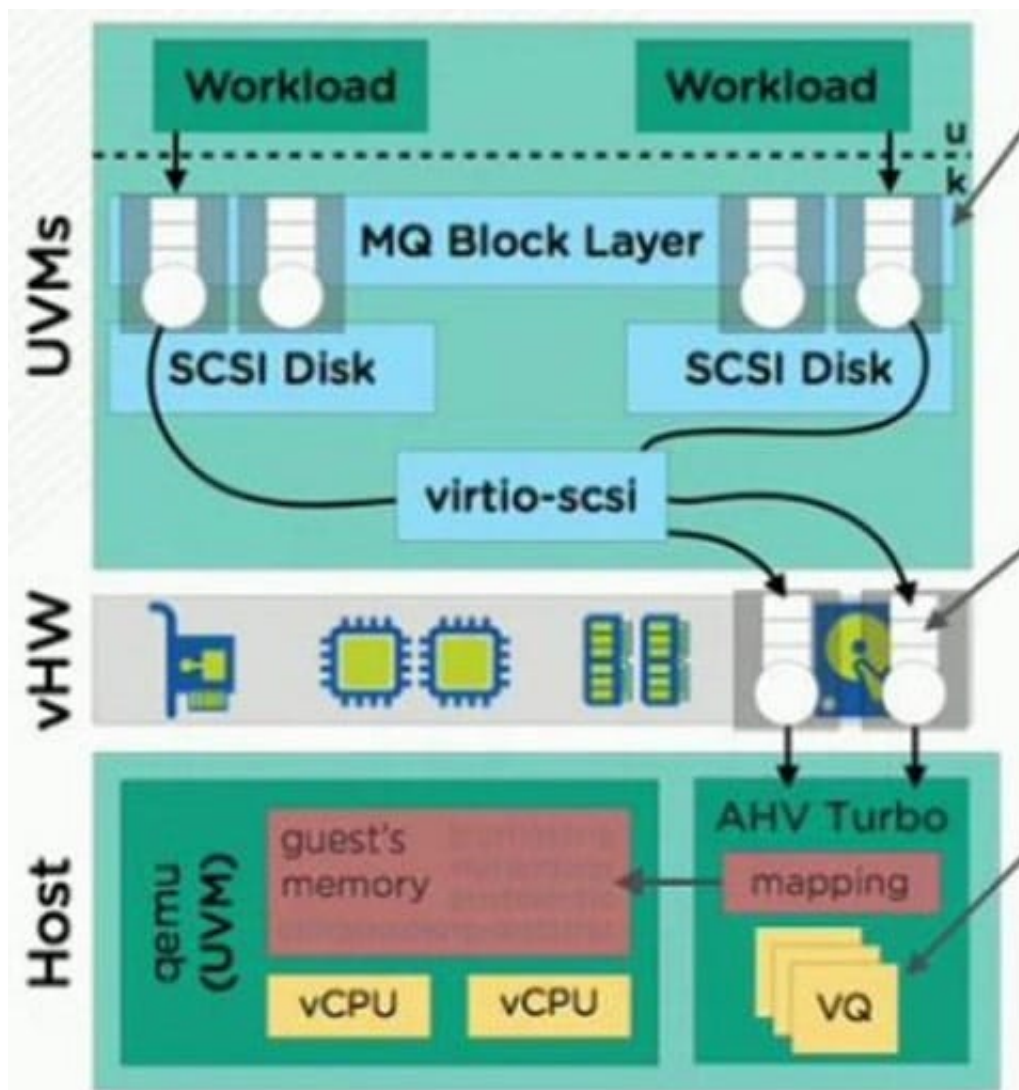
An administrator has an existing cluster and needs to improve performance using AHV Turbo. Which two items are required to achieve even greater performance? (Choose two.)

A. Workloads are multi-threaded.

B. VMs have one vCPU configured.

C. VMs have multi-queue disabled.

D. VMs have more than one vCPU.

Correct Answer: AD

QUESTION 7

An administrator is planning to deploy a Nutanix cluster to support a few high-performance VMs. This deployment will have the following considerations: Individual VMs will likely generate network throughputs in the range of 90-100Mbps Due to the configuration of the VMs, it is unlikely that a node will host more than one or two of them at a time Individual VMs will communicate with only a few (one or two) remote hosts at a time Multicast will not be used in the environment The hosts are connected via two 1GbE network connections

How should the administrator configure the network bonds to meet this requirement while maintaining the simplest switch configuration?

A. Configure bond0 as balance-sib

B. Configure bond0 as active-backup

C. Configure bond0 as balance-tcp

D. Configure bond0 as balance-lacp

Correct Answer: A

QUESTION 8

An administrator needs to relocate an AHV cluster to a new datacenter during a maintenance window. The cluster will use the same IPs in the new datacenter.

Which two steps should be taken to prepare for this task? (Choose two.)

A. Stop all Nutanix Files clusters

B. Relocate the linked LDAP servers

C. Shut down all user VMs in the cluster

D. Reconfigure IPMI for the new datacenter

Correct Answer: AC

Reference: https://next.nutanix.com/installation-configuration-23/physical-relocation-of-nutanix-clusters-38403

QUESTION 9

While creating an image placement policy on the organizations AOS 5.15-based Nutanix cluster, the administrator wants to ensure there are no restrictions on using the selected images on clusters outside of the identified set. What type of Policy Enforcement must the administrator choose?

A. Soft

B. Internal

C. Hard

D. External

Correct Answer: A

QUESTION 10

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

8 / 10

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 11

An administrator is deploying a three-tier application on a Nutanix Enterprise Cloud consisting of web, application, and database VMs. Traffic between the servers must be limited to specific services/ports.

There is an application layer firewall VM deployed on one host in the cluster.

In which way should the administrator meet this requirement?

A. Create a network for each type of VM, and use policy-based routing to control the traffic flow

B. Configure a security policy and service chain redirecting the server traffic through the firewall

C. Separate the web application and database VMs on to dedicated VLANs

D. Categorize the VMs in Prism Central and utilize Flow to set a security policy

Correct Answer: D

QUESTION 12

Refer to the exhibit.

Authentication Configuration   **?**

Directory List   Authentication Types   Client

Directory Type

Active Directory   ⌄

Name

Corp

Domain

corp.yourcompany.com

Directory URL

ldaps://corp.yourcompany.com:389

Search Type ⑦

Non Recursive (Default)   ⌃

An administrator configures Active Directory authentication as shown in the exhibit. Upon finishing setup, users are not able to log in. What configuration change should be made to fix this issue?

A. Change leaps to https

B. Change the Directory URL to use an IP rather than a name

C. Change the plct from 389 to 636

D. Change the Domain to use an IP rather than a name

Correct Answer: C

QUESTION 13

An administrator needs to deploy an application with a large amount of data connected via Nutanix Volumes.

Which two actions should the administrator take when designing the Volume Group? (Choose two.)

A. Use multiple subnets for iSCSI traffic

B. Enable RSS (Receive Side Scaling)

C. Enable thick provisioning on the Volume Group(s)

D. Distribute workload across multiple virtual disks

Correct Answer: BD

QUESTION 14

An administrator is deploying an application using Nutanix Volumes. After configuring the volume group and connecting the guest\\\'s iSCSI initiator to the volume group, they begin performance testing. The administrator learns that performance on the virtual disk attached to the iSCSI initiator is far less than that of a virtual disk connected directly to the VM.

Which situation is causing this condition?

A. The VM\\\'s iSCSI traffic is being routed to the data services IP subnet

B. The performance test is generating small block random 10

C. The duster data services IP address is a bottleneck, shared with other iSCSI traffic

D. Data Locality ensures that VM attached disks are always faster than iSCSI volumes

Correct Answer: C

QUESTION 15

An administrator needs to expand a cluster based on AHV and running on Nutanix G5 hardware with a new Nutanix G7 system. The cluster is running AOS 5.10 but the operation fails when expanding the cluster. AOS is running on the new system. There are no issues discovering the node.

Why is the operation failing?

A. AOS version running on G7 is older than the version on the cluster.

B. Foundation software has not been updated on the cluster.

C. G7 hardware cannot be added to a G5 cluster.

D. EVC needs to be configured before cluster expansion

Correct Answer: A

Reference: https://next.nutanix.com/installation-configuration-23/product-mixing-restrictions-37231

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