

NCM-5.15^{Q&As}

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

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QUESTION 1

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 IO
- C. The cluster 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 2

An administrator has an existing Nutanix seven-node cluster running at RF2 that must be changed to have the following capabilities: RF3 set for the cluster Performance tier deduplication

What is the minimum memory needed on the CVMs to allow for these capabilities?

- A. 24GB
- B. 28GB
- C. 32GB
- D. 20GB

Correct Answer: B

Controller VMs must be configured with a minimum of 28 GB (20 GB default + 8 GB for the feature) of memory.

Reference: <https://next.nutanix.com/how-it-works-22/rf2-rf3-requirements-37206>

QUESTION 3

While creating an image placement policy on the organization's 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 4

An organizations Nutanix Cluster is based on VMware vSphere. The cluster is configured to download software updates automatically. The administration needs to verify and eventually upgrade VMware hypervisor via Prism UI. After logging

in to Prism, the administrator receives the message shown:

No available versions for upgrade.

What is causing the current state?

- A. VMware support has expired, so downloads are not available.
- B. vSphere binaries need to be manually uploaded.
- C. The environment is running the latest vSphere version, so no update is required.
- D. The cluster is unable to connect to release api.nutanix-ccm:8D.

Correct Answer: C

QUESTION 5

An administrator needs to make sure an RF2 cluster can survive a complete rack failure without negatively effecting workload performance. The current cluster configuration consists of the following:

30 nodes: distributed 10 nodes per rack across three 42U rack

Each nodes is configured with 40TB usable storage all flash (Cluster Total 1.2 PB Usable)

Current cluster utilization is 900TB storage

Which configuration changes should be made to make sure that the cluster meets the requirements?

- A. Expand the cluster by adding 3 additional nodes per rack, 9 nodes total.
- B. Expand the cluster by adding 2 additional nodes per rack, 6 nodes total.
- C. Expand the cluster by adding 9 nodes to a new 42U rack
- D. Expand the cluster by adding 8 nodes to a new 42U rack

Correct Answer: A

QUESTION 6

An administrator is updating disk firmware using LCM and receives the following message:

"There have been 10 or more cluster services restarts within 15 minutes in the Controller VM."

The message appears as each drive is upgraded.

What is the reason this message is being generated?

- A. A node has been rebalanced
- B. A drive has been reformatted
- C. A node has been rebooted
- D. A drive has been rejected

Correct Answer: C

Reference: <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA032000000TT8DCAW>

QUESTION 7

An administrator needs to evaluate if the existing configuration of Protection Domains meets the specified corporate recovery policy for SQL Data. The corporate policy requires that all SQL Servers be recoverable at the DR site within 30 minutes, and must result in a maximum of 60 minutes of data loss. SQL data must be required.

The protection domain is configured as follows: Application consistent snapshots are enabled The SQL server VMs are assigned to the Protection Domain as their own Consistency Group The Protection Domain schedule is configured as snapshots taken every 90 minutes from 7 am until 8 pm

What must be changed to meet the required policy?

- A. Revise the schedule to be 15 minutes
- B. Revise the schedule to be 60 minutes
- C. Revise the schedule to be 30 minutes
- D. Revise the schedule to be 45 minutes

Correct Answer: B

QUESTION 8

An alert about RX errors on eth2 on a node is reported in the cluster. The administrator logs in to the CVM in question, checks the ping_* files in the data/logs/syststats folder, and notices intermittent ping loss. The node in question has the following network configuration:

```
nutanix@NTNX-16xxxxxxxxx5-A-CVM:xx.xx.xx.76:~$ manage_ovs show_uplinks
```

```
Bridge: br0
Bond: br0-up
bond_mode: active-backup
interfaces: eth3 eth2
lacp: off
lacp-fallback: True
lacp_speed: slow
```

```
Bridge: br1
Bond: eth0
bond_mode: active-backup
[interfaces: eth0
lacp: off
lacp-fallback: True
lacp_speed: slow
```

```
Bridge: br1
Bond: eth0
bond_mode: active-backup
interfaces: eth0
lacp: off
lacp-fallback: false
lacp_speed: slow
```

```
Bridge: br2
```

```
Bridge: br5
```

```
nutanix@NTNX-16xxxxxxxxx5-A-CVM:xx.xx.xx.76:~$ manage_ovs show_interfaces
```

```
name mode link speed
eth0 1000 True 1000
eth1 1000 True 1000
eth2 10000 True 10000
eth3 10000 True 10000
```

```
nutanix@NTNX-16xxxxxxxxx5-A-CVM:xx.xx.xx.76:~$
```

Which action should be used to troubleshoot without disrupting the VMs running on this node?

- A. Replace the cable from eth2 to the switch
- B. Remove eth3 from br0-up and monitor for new alerts
- C. Check the port on the switch side for any errors
- D. Enable balance-s1b on br0-up and monitor if a problem persists

Correct Answer: C

QUESTION 9

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 10

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 11

An administrator is using Nutanix Move to migrate a Windows VM from ESXi to AHV. Automated guest preparation is failing with an error:

Account has UAC enabled error

The administrator is using the local built-in administrator account for the Windows VM Admin approval mode must remain enabled.

What should the administrator do to continue with the migration with Nutanix Move?

- A. Use a Domain Admin account for the Windows VM
- B. Reboot the Windows VM and try the migration again
- C. Follow manual VM preparation guidelines

D. Place Windows VM in Maintenance Mode

Correct Answer: C

Reference: <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e0000009DpgCAE>

QUESTION 12

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 13

An administrator configures authentication in Prism Central (PC) for the NTNX-Admins group. Users report that they are unable to log in. The administrator confirms that the Active Directory (AD) settings in PC are correct. Which condition could result in this behavior?

- A. A role mapping needs to be associated with the AD group.
- B. The users must be added to the Domain Admins AD group.
- C. The Local authentication type must also be selected in PC.
- D. A client chap certificate must also be added in PC.

Correct Answer: B

QUESTION 14

An administrator needs to make sure an RF3 cluster can survive a failure of two complete racks without negatively affecting performance. The current cluster configuration consists of the following: 30 All Flash Nodes: distributed 10 nodes per rack across three 42U racks Each node is configured with 20TB usable storage all flash (Cluster Total 600TB Usable) Current cluster utilization is 500TB storage Storage containers have Erasure Coding enabled

Which configuration changes should be made to make sure the cluster meets the requirements?

- A. Expand the cluster to 50 nodes distributed evenly across 5 racks
- B. Expand the cluster to 48 nodes distributed evenly across 6 racks
- C. Expand the cluster to 60 nodes distributed evenly across 6 racks
- D. Expand the cluster to 40 nodes distributed evenly across 5 racks

Correct Answer: C

QUESTION 15

A company needs to replicate their VMs to a remote site and must have an RPO of less than 1 hour. When creating a protection domain, what should an administrator do to meet this requirement?

- A. Enable Async Replication with an RPO of 60 minutes
- B. Enable Near-Sync Replication with an RPO of 15 minutes
- C. Enable Entity Sync on the designated VMs
- D. Enable Availability Zones and send the VM to multiple targets

Correct Answer: A

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