



NCP-MCI-6.5^{Q&As}

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

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**QUESTION 1**

How should an administrator enable secure access to Volumes using a password?

- A. iSER
- B. CHAP
- C. SAML
- D. LDAP

Correct Answer: B

Explanation: <https://portal.nutanix.com/page/documents/details/?targetId=Web-Console-Guide-Prism-v50:wc-block-services-enabling-t.html> Provision storage on the Nutanix cluster by creating a volume group. Create a client whitelist to enable access to the volume group by using the IP addresses or client initiator IQNs in a whitelist (as part of the volume group configuration). Create a secret for the volume group if you are using CHAP authentication.

QUESTION 2

During an AHV upgrade, an administrator finds that a critical VM was powered off rather than migration to another host. Which scenario explains this behavior?

- A. NO AHV hosts were able to be scheduled.
- B. The VM OS hung during migration.
- C. The VM was on the same host as the acropolis leader.
- D. The VM was marked as an agent VM.

Correct Answer: D

QUESTION 3

An administrator is troubleshooting vDisk performance issues in a Nutanix cluster with hybrid disks. The VMs all have Flash Mode enabled.

But users are reporting disk latency.

What could cause the performance issues?

- A. Flash mode is disabled when a node fails.
- B. Compression is disabled on the vDisk storage container.
- C. The VMs vDisks are in multiple containers.
- D. Data size for flash mode exceeds 25% of the SSD capacity.



Correct Answer: D

Explanation: data size for flash mode exceeds 25% of the SSD capacity could cause the performance issues. Flash mode is a feature that allows vDisks to be pinned to SSDs for faster access, but it has a limit of 25% of the SSD capacity per node. If this limit is exceeded, some vDisks may be evicted from flash mode and cause disk latency2.

QUESTION 4

Which three upgrades should an administrator be able to perform using Lifecycle Management? (Choose Three)

- A. AOS
- B. BMC
- C. BIOS
- D. Hypervisor
- E. HBA Firmware

Correct Answer: BCE

Reference: <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e00000LMgICAW>

QUESTION 5

An administrator wants to receive an environment summary report when a host failure occurs. Which action would address the administrator's need?

- A. Enable App Discovery
- B. Edit report schedule
- C. Configure an alert policy
- D. Create a playbook

Correct Answer: C

Explanation: An alert policy can be configured to send out an environment summary report when a host failure occurs. This can be done by creating a policy that triggers an alert whenever a host fails and then configuring the policy to send out a report that provides a summary of the environment in which the failure occurred. This will allow the administrator to quickly get a view of the environment after a failure occurs, allowing them to take the necessary steps to address the issue. https://www.nutanix.com/support-services/training-certification/certifications/certification-details-nutanix-certified-professional-multicloud-infrastructure-6_5

QUESTION 6

Which two access protocols are supported by Files? (Choose two.)

- A. iSCSI



- B. SMB
- C. FCOE
- D. NFS

Correct Answer: BD

QUESTION 7

An administrator needs to boot a VM to a bootable CD. The administrator tries to configure the VM to boot to it, select to add disk, and goes to the images available. The image for the bootable CD is unavailable. What is the Likely issue?

- A. The CD-ROM interface is too slow.
- B. The administrator selected a disk attached before it can boot to a CD.
- C. The VM needs to have a standard disk attached before it can boot to a CD.
- D. The bootable CD image is corrupted during creation.

Correct Answer: B

Reference: <https://next.nutanix.com/prism-infrastructure-management-26/booting-vm-to-cd- no-drives-present-31800>

QUESTION 8

The customer is seeing high memory utilization on a mission critical VM. Users report that the application is unavailable. The guest OS does not support hot add components.

How should the administrator fix this issue?

- A. Access the CVM on the host that is running the VM: *Open acli *Run a command to increase the amount of RAM assigned to the VM
- B. From the Prism web console: *Go to the VM dashboard *Select the VM from the VMs list *Choose Update *Adjust the amount of memory assigned to the VM
- C. Go to Control Panel in the VM: *Select the Computer Properties *Increase the amount of RAM assigned
- D. During the next maintenance window: *Select the VM from the VMs list *Perform a graceful shutdown

Correct Answer: D

QUESTION 9

An administrator wants to replace an old node with a node of newer generation in a 3- node cluster. The administrator has already chosen the appropriate node. But unable to remove it from the cluster. Why is the Remove Host option not shown in the exhibit?

- A. The host needs to be placed into maintenance Mode before.

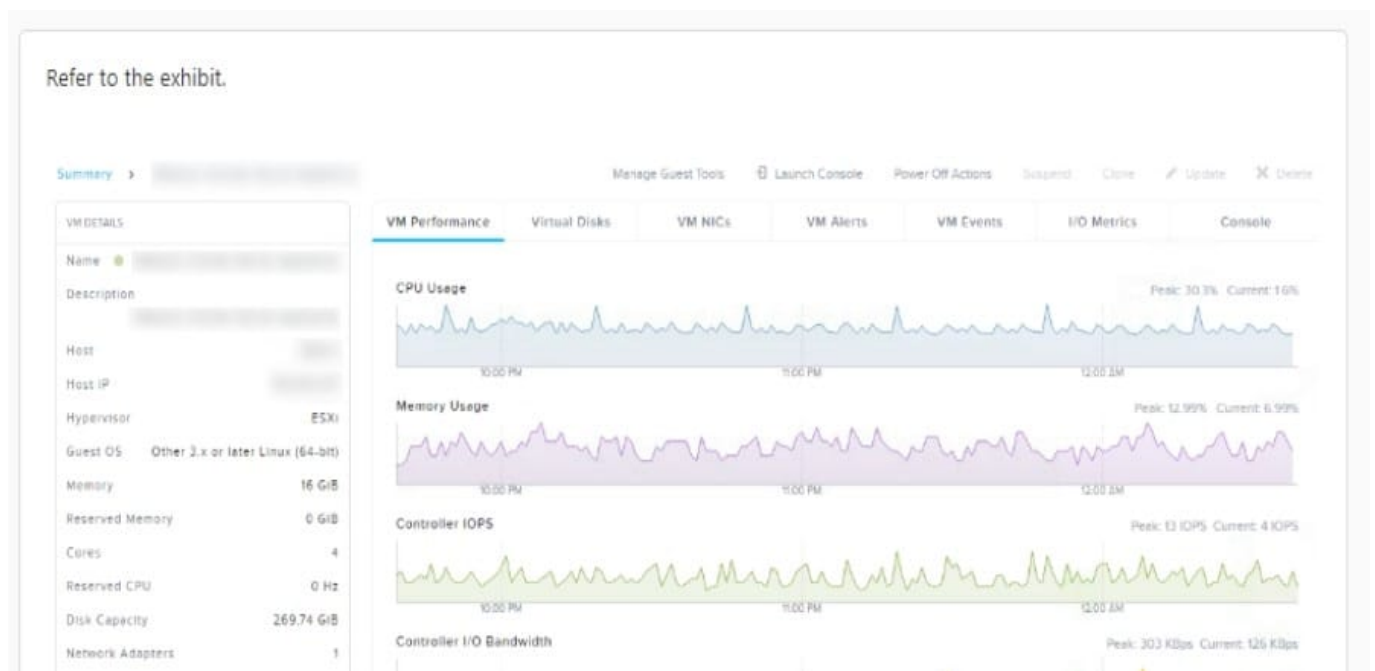


- B. It is only possible to remove a host from a cluster using CLI.
- C. It is not possible to remove a node from a the cluster using Prism Central
- D. It is not possible to remove a host from a 3-node cluster.

Correct Answer: D

QUESTION 10

A user is complaining about slowness of a mission-critical MSSQL Server. The administrator logs into Prism Element to investigate the VM performance and observes what is shown in the diagram.



Which action would best improve VM performance?

- A. Disable hyperthreading in the BIOS.
- B. Add additional RAM to the user VM.
- C. Add additional RAM to the host on which the VM is running.
- D. Ensure the host's CPUs are not excessively overcommitted.

Correct Answer: B

Explanation: Prism Element is a graphical user interface that allows you to manage Nutanix clusters¹. You can use Prism Element charts to understand Nutanix cluster workloads and troubleshoot performance related issues².

memory optimized virtual machine sizes offer the best performance for SQL Server workloads on Azure VMs. Adding more RAM to the user VM can help reduce paging and improve query execution times.

SQL Server performance can be affected by disk latency and throughput. By creating separate virtual disks for data and logs, you can spread activity across multiple spindles and reduce disk contention.



<https://next.nutanix.com/how-it-works-22/differences-between-prism-element-prism-central- and-prism-pro-37137>

QUESTION 11

When VM HA Reservation is enabled, what is the expected behavior for all failed VMs in the event of a host failure?

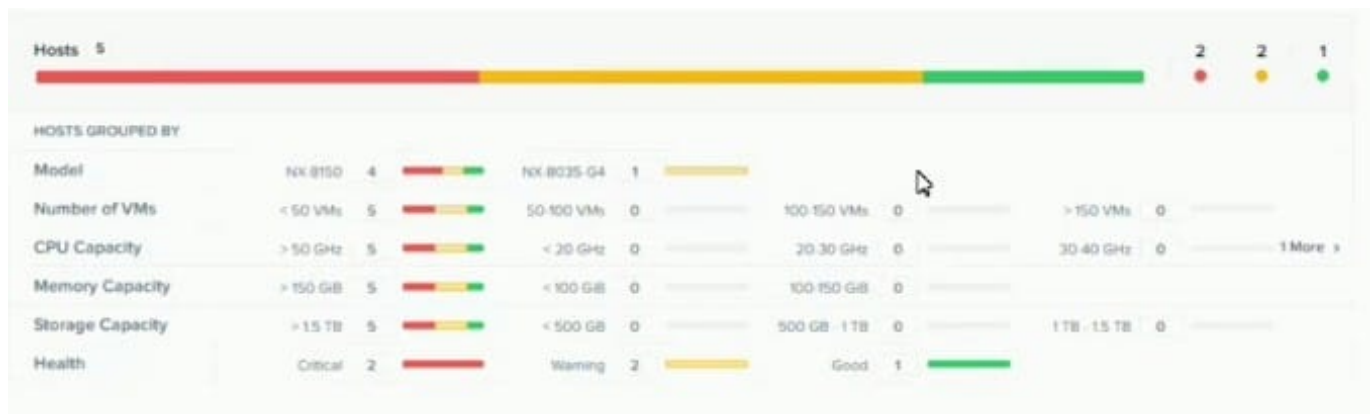
- A. Restart on a best-effort basis if resources are available
- B. Perform a live migration to other hosts in the AHV cluster
- C. Restart on other hosts in the AHV cluster
- D. Perform a live migration on a best-effort basis if resources are available

Correct Answer: C

Reference: <http://www.nutanixpedia.com/p/configuring-ha.html>

QUESTION 12

Refer to the exhibit.



System Non-Root Partition Usage shows a warning or critical alert. The administrator needs to change the frequency of checks and alerts to respond more quickly. Where in Prism Element should the administrator change the frequency of checks and alerts?

- A. Health Dashboard > Manage Checks > Frequency
- B. Alerts Dashboard > Manage Checks > Schedule
- C. Health Dashboard > Manage Checks > Schedule
- D. Alerts Dashboard > Manage Checks > Frequency

Correct Answer: D

QUESTION 13



Refer to the exhibit.

```
admin@NTNX:~$ manage_ovs show_uplinks
Bridge: br0
Bond: br0-up
bond_mode: balance-tcp
interfaces: eth3 eth2 eth1 eth0
lacp: active
lacp-fallback: false
lacp_speed: fast
admin@NTNX:~$
```

An administrator is adding a new node to a cluster. The node has been imaged to the same versions of AHV and AOS that the cluster running, configured with appropriate IP addresses, and br0-up has been configured the same the existing

uplink bonds.

When attempting to add the node to the cluster with the Expand Cluster function in Prism , the cluster is unable to find the new node.

Based on the above output from the new node, what is most likely the cause of this issue?

- A. The ports on the upstream switch are not configured for LACP.
- B. The existing and the expansion node are on different VLANs.
- C. There is a firewall blocking the discovery traffic from the tlu
- D. LACP configuration must be completed after cluster expansion

Correct Answer: B

QUESTION 14

An administrator has created a Nutanix managed it a VLAN ID of 512.

Several VMs have been created, and the administrator notices that the can successfully communicate with other VMs on that VLAN.

Provided they are on the host, but cannot communicate with VMs that reside on different hosts in the cluster.



What is most likely the cause of this issue?

- A. There is a firewall rule blocking VLAN512 traffic.
- B. VLAN512 is a reserved VLAN ID, and not usable for guest VMs.
- C. The VLAN was not created on the upstream switches.
- D. The administrator did not create the VLAN on all hosts

Correct Answer: C

QUESTION 15

CPU utilization climbs above 90% on several VMs. This causes performance degradation for a business-critical application.

How can alerts be configured to notify the administrator before VM CPU utilization hits 90%?

- A. On a CVM, use ncli to set the VM CPU Check threshold for the critical VMs to a value below 90%.
- B. On the Health dashboard, locate the VM CPU Check and lower the alert threshold below 90%.
- C. On a CVM, configure a cron job to run the VM CPU Check more frequently and email the result.
- D. On the Alerts dashboard, ensure that the VM CPU usage alert is not set to auto-resolve.

Correct Answer: B

Reference: https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prismv5_16:Web-Console-Guide-Prism-v5_16

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