

# NCP-MCI-5.20<sup>Q&As</sup>

Nutanix Certified Professional - Multi cloud Infrastructure (NCP-5.20)

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### QUESTION 1

For a single VM, which AHV bond mode would leverage all available uplink bandwidth?

- A. balance-slb
- B. active-backup
- C. balance-rep
- D. active-active

Correct Answer: C

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### QUESTION 2

An administrator has a cluster in a secure environment. The administrator wants to disable password authentication over SSH to access the cluster. Which configure should the administrator use to disable password authentication over SSH?

- A. Modify the SSH configuration on each host
- B. Enable Cluster Lockdown in Prism
- C. Modify the SSH Configuration on each CVM
- D. Configure a proxy server in Prism

Correct Answer: B

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### QUESTION 3

Which three cluster operations require an administrator to reclaim licenses?(Choose three)

- A. Destroy a cluster.
- B. Upgrade a cluster
- C. Migrate a cluster
- D. Remove a Node from a cluster
- E. Move Nodes between clusters.

Correct Answer: ADE

Explanation: [https://portal.nutanix.com/page/documents/details/?targetId=Web\\_Console\\_Guide-](https://portal.nutanix.com/page/documents/details/?targetId=Web_Console_Guide-)

Prism\_v4\_7:lic\_licensing\_managing\_c.html Reclaiming Licenses (Including License Renewal) You can reclaim and optionally re-apply licenses

for nodes in your clusters:

You must reclaim licenses when you plan to destroy a cluster. First reclaim the licenses, then destroy the cluster. You do not need to reclaim Starter licenses. These licenses are automatically applied whenever you create a cluster, including

after you have destroyed a cluster.

Return licenses to your inventory when you remove one or more nodes from a cluster. Also, if you move nodes from one cluster to another, first reclaim the licenses, move the nodes, then re-apply the licenses. You can reclaim licenses for

nodes in your clusters in cases where you want to make modifications or downgrade licenses. For example, applying an Ultimate license to all nodes in a cluster where some nodes are currently licensed as Pro and some nodes are licensed

as Ultimate. You might also want to transition nodes from Ultimate to Pro licensing.

You must reclaim licenses when you renew licenses. First reclaim the expired licenses, then apply new licenses.

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#### QUESTION 4

A VM in a 12-node Nutanix cluster is hosting an application that has specific Physical GPU requirements. Only three nodes in the cluster meet this requirement.

The administrator wants to allow a general workload to be distributed across all nodes in the cluster and must make sure that the node hosting the VM meets its requirements.

How should the administrator perform this task?

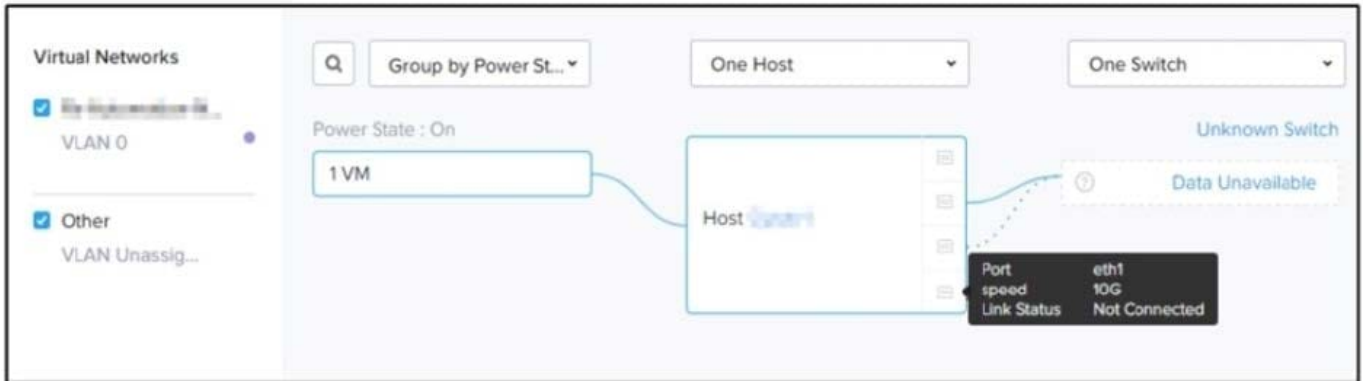
- A. Create a separate three-node cluster using the nodes that meet the requirement.
- B. Configure VM-Host affinity for the nodes that meet the application's GPU requirement.
- C. Over-Provision the application VM with additional virtual GPUs.
- D. Configure anti-affinity rules between the application VM and the other VMs running on the cluster.

Correct Answer: B

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#### QUESTION 5

An administrator logs in to Prism Element goes to the Network view, and sees the output shown in the exhibit.



Which three steps must the administrator take to increase throughput to the host? (Choose three.)

- A. Connect the 10Gb interfaces to the physical switch.
- B. Change the bond mode to balance-slb or balance-tcp.
- C. Remove any 1Gb interfaces still connected from the default bond.
- D. Add a new switch to the network and connect 1Gb interfaces to it.
- E. Change the VLAN ID to a higher priority ID.

Correct Answer: ABE

### QUESTION 6

Which command should an administrator run from the CLI to view the uplink state of all AHV nodes in the cluster?

- A. allssh show\_uplinks
- B. manage\_ovs show\_uplinks
- C. allssh manage\_ovs show\_uplinks
- D. manage ovs show uplinks

Correct Answer: C

### QUESTION 7

An administrator installs Nutanix-specific PowerShell cmdlets. The cmdlets fail to run. Which two requirements should the administrator verify first? (Choose two)

- A. Windows 2016 r2 or later is installed

- B. The cmdlets have the proper permissions
- C. PowerShell 2.0 or later is installed
- D. .Net Framework 4.0 is installed
- E. Python 2.7 or greater is installed

Correct Answer: CD

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#### QUESTION 8

An administrator needs to bring down a host in a Nutanix Cluster for maintenance reasons. The administrator puts the host in maintenance mode. What should the administrator do to perform an orderly shutdown of the CVM?

- A. Execute the `cvm_shutdown -P new` command from the CVM.
- B. Enter Fever off Server - immediate from the IPMI console.
- C. Enter Fewer off Server-orderly Shutdown from the IPMI console.
- D. Execute the `cvm_shutdown -P now` command from the host.

Correct Answer: D

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#### QUESTION 9

What is default behavior for VM High Availability for Nutanix AHV?

- A. VMs restart on other hosts as available resource allow
- B. No VMs restart because HA is not enabled by default
- C. All VMs restart because system reservation are already made
- D. Only VMs with High Availability explicitly enabled will restart

Correct Answer: A

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#### QUESTION 10

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

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### QUESTION 11

Which two methods should an administrator employ to set up the AHV host VLAN in a cluster to follow Nutanix recommendations? (Choose two)

- A. Avoid adding guest VMs to the CVM and host VLAN.
- B. Add all VMs to the default VLAN0 on bridge br1.
- C. Add the CVM and the AHV host to the same VLAN.
- D. Add all VMs to a new VLAN other than VLAN 0.

Correct Answer: CD

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### QUESTION 12

An administrator needs to report on any alerts generated by a Nutanix cluster that affected the cluster's availability over the past 10 days. Which method should be used to locate these events?

- A. On the Health dashboard, use the Log Collector to export data based on time stamp.
- B. Export the cluster event log to a CSV on the Alerts dashboard.
- C. On the Alerts dashboard, filter based on Impact Type and the desired Time Range.
- D. Configure an Alert Policy to generate an email with the data on the Health dashboard.

Correct Answer: C

Reference: <https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v55:mulalerts-management-pc-c.html>

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### QUESTION 13

A customer has a newly-deployed AHV cluster with nodes that have 2.x 10 GBE and 2.x interface. The customer wants to use all available network interfaces to provide connectivity to the VMs. Which option should the administrator use to achieve this while remaining consistent with Nutanix recommendations?

- A. Create separate VLANs that map 10GbE and 1GbE interfaces.
- B. Create bond1 on virbr0 and add the 1GbE interfaces to it for VM use.
- C. Create a second bond on br0 on each host and assign the 1 GbE interfaces to it.
- D. Create a second bridge on each host and assign the 1GbE interfaces to it.

Correct Answer: D

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#### QUESTION 14

A VM user permanently deletes a directory on a guest VM. The Nutanix administrator has enabled Self-Services for this VM. Which three steps must the administrator perform to restore the directory? (Choose Three)

- A. Create a clone of the VM from a previous snapshot and replace the original VM
- B. Connect to the cloned VM and copy the directory to the source VM
- C. Copy the directory from the snapshot disk to the original VM disk
- D. Launch the Nutanix SSR utility on the VM
- E. Select and mount the snapshot that contains the deleted directory

Correct Answer: CDE

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#### QUESTION 15

What does an administrator do before shutdown nutanix node for maintenance in the cluster? (Choose two)

- A. verify data resiliency status in the cluster
- B. reclaim license
- C. migrate all guests vm from the host
- D. shutdown the cluster in that host

Correct Answer: AC