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

Nutanix NCP-MCI-6.5

Version Demo

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QUESTION NO: 1

An administrator is implementing a VDI solution. The workload will be a series of persistent desktops in a dedicated storage container within a four-node cluster. Storage optimizations should be set on the dedicated storage container to give optimal performance including during a node failure event.

Which storage optimizations should the administrator set to meet the requirements?

- A. Compression only
- B. Deduplication and Erasure Coding
- C. Compression and Deduplication
- D. Compression, Deduplication and Erasure Coding

ANSWER: C

QUESTION NO: 2

An administrator responsible for a VDI environment needs to investigate reports of slow logins. The administrator finds that increasing the number of vCPUs from 2 to 4 will reduce the login times. Production workloads are consuming 75% of the host CPU on the cluster. The administrator increases the vCPU count on all of the VDI VMs.

What are two impacts on the cluster? (Choose two)

- A. Increasing CPU counts will decrease memory utilization
- B. Increase memory utilization%
- C. Increase CPU utilization%
- D. Increase CPU ready%

ANSWER: A B

QUESTION NO: 3 - (HOTSPOT)

An administrator needs to shut down an AHV cluster to relocate hardware. The administrator upgrades NCC and runs health checks.

Which steps should the administrator perform next?

Item instructions: For each procedure, indicate the order in which that procedure must take place to meet the item requirements.

Procedure

Shut down CVMs

Step

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Shut down Nodes

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Shut down Guest VMs

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Stop the Cluster

	▼
Step 1	
Step 2	
Step 3	
Step 4	

ANSWER:

Procedure

Shut down CVMs

Step

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Shut down Nodes

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Shut down Guest VMs

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Stop the Cluster

	▼
Step 1	
Step 2	
Step 3	
Step 4	

Explanation:

Procedure	Step					
Shut down CVMs	<table border="1"><tr><td>▼</td></tr><tr><td>Step 1</td></tr><tr><td>Step 2</td></tr><tr><td>Step 3</td></tr><tr><td>Step 4</td></tr></table>	▼	Step 1	Step 2	Step 3	Step 4
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Step 1						
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Shut down Nodes	<table border="1"><tr><td>▼</td></tr><tr><td>Step 1</td></tr><tr><td>Step 2</td></tr><tr><td>Step 3</td></tr><tr><td>Step 4</td></tr></table>	▼	Step 1	Step 2	Step 3	Step 4
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Shut down Guest VMs	<table border="1"><tr><td>▼</td></tr><tr><td>Step 1</td></tr><tr><td>Step 2</td></tr><tr><td>Step 3</td></tr><tr><td>Step 4</td></tr></table>	▼	Step 1	Step 2	Step 3	Step 4
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Stop the Cluster	<table border="1"><tr><td>▼</td></tr><tr><td>Step 1</td></tr><tr><td>Step 2</td></tr><tr><td>Step 3</td></tr><tr><td>Step 4</td></tr></table>	▼	Step 1	Step 2	Step 3	Step 4
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Step 1						
Step 2						
Step 3						
Step 4						

Reference:

<https://next.nutanix.com/how-it-works-22/scheduled-power-outage-relocating-cluster-hardware-if-you-need-to-shut-down-all-the-nodes-in-your-ahv-cluster-here-s-how-37326>

QUESTION NO: 4

An administrator is tasked with configuring networking on an AHV cluster and needs to optimize for maximum single VM throughput.

Which bond mode should the administrator select?

- A. Active-Active with Mac pinning
- B. Active-Active
- C. Active-Backup
- D. No Uplink Bond

ANSWER: B

QUESTION NO: 5

An administrator has set up a local web server accessible to the Nutanix clusters.

Which two steps are required to set up LCM for an environment without Internet access? (Choose two.)

- A. Download the lcai_disconnected_version.tar.gz LCM bundle from the support portal.
- B. Edit LCM Advanced Settings in Prism Element and enter the address of the web server.
- C. Edit LCM Advanced Settings in Prism Central and enter the address of the web server.
- D. Download the lcm_dark_site_version.tar.gz LCM bundle from the support portal.

ANSWER: B D

QUESTION NO: 6

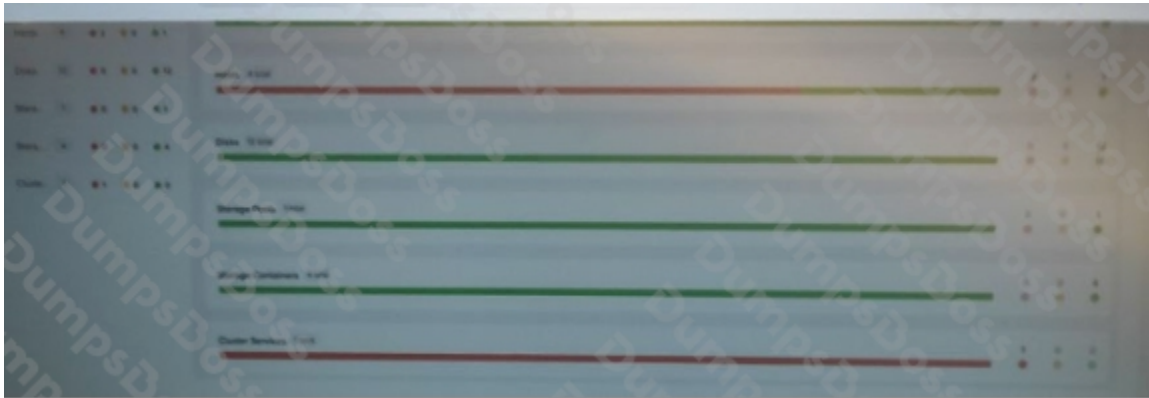
What is Prism Central primarily used for?

- A. Multi-cluster network configuration
- B. Container creation
- C. Multi-cluster Single Sign On
- D. Data reduction configuration

ANSWER: C

QUESTION NO: 7

An administrator manages a cluster and notices several failed components shown in the exhibit.



What two options does the administrator have to run all NCC checks manually? (Choose two.)

- A. Using the Actions drop-down menu in the Health dashboard of Prism Element.
- B. Running `ncc health_checks run-all` on the CVM
- C. Using the action action drop-down menu in the Health dashboard of Prism Central
- D. Running `noc health_checks run_all` on the PC VM

ANSWER: A B

QUESTION NO: 8

When a VM is connected to a Nutanix managed network, when is the IP address assigned?

- A. When the vNIC is created on the VM.
- B. When the VM is powered on.
- C. When the guest OS sends a DHCP request.
- D. When the guest OS receives a DHCP acknowledge.

ANSWER: D

QUESTION NO: 9

An administrator needs to limit the amount of storage space that data stored in single container can consume.

Which action should the administrator take?

- A. Enable reservation for rebuild capacity
- B. Set an advertised capacity for the container

- C. Store VM snapshots in a different container
- D. Thick provision the container

ANSWER: B

Explanation:

The best way for the administrator to limit the amount of storage space that data stored in a single container can consume is to set an advertised capacity for the container. This will ensure that the data stored in the container doesn't exceed the set limit, and it will also help prevent any potential performance issues due to resource contention. Additionally, the administrator should consider thick provisioning the container, which will pre-allocate the amount of storage space that can be used by the container. This will help ensure that the data stored in the container doesn't exceed the advertised capacity.

QUESTION NO: 10

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.

ANSWER: C D