

NCM-MCI^{Q&As}

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QUESTION 1

An administrator is deploying an application that requires maximum I/O throughput for scratch data. The administrator is concerned that the throughput requirement is greater than what can be provided by a single cluster node.

What should the administrator do to meet this requirement?

- A. Create a volume group with several virtual disks and attach to the VM
- B. Create a volume group with one virtual disk attached to the VM
- C. Create a virtual disk attached to the VM's PCI interface
- D. Create several virtual disks attached to the VM's virtual SCSI controller

Correct Answer: A

Ref: <https://next.nutanix.com/community-blog-40/scaling-up-vm-storage-performance-on-ahv-volume-group-load-balancer-28063>

QUESTION 2

An administrator needs to replace an aging SAN and move to a hyper-converged infrastructure. The existing environment consists of the following hosts that are connected to the SAN:

1.

5x AIX hosts

2.

3x Hyper-V hosts

3.

9x ESXi hosts

4.

2x physical SQL Clusters (Windows Server 2012R2 hosts)

After deploying a Nutanix AHV cluster, which two actions should the administrator take to meet the requirements? (Choose two.)

- A. Deploy Volumes to support the AIX and SQL workloads.
- B. Migrate the ESXi workloads to AHV using Move.
- C. Deploy Files to support the AIX hosts.
- D. Migrate the ESXi and Hyper-V workloads using Move.

Correct Answer: AD

Ref: <https://portal.nutanix.com/#page/kbs/details?targetId=kA00e000000Cr7GCAS>

QUESTION 3

A customer has a primary datacenter with 12 Nutanix blocks distributed across three racks. The customer wants to achieve the most resiliency possible. They also have a datacenter in a branch office that is 400 kilometers away from the primary datacenter.

Which two solutions should be used? (Choose two.)

- A. Time Stream to a remote site
- B. Async DR to a remote site
- C. Rack awareness
- D. Block awareness

Correct Answer: BC

QUESTION 4

A VDI environment based on AHV Cluster is not performing well. The current environment is using only one bridge (Bridge0). The administrator needs to verify if nodes are using all network cards associated to Bridge0. Which two menus should be used to check the current configuration? (Choose two.)

- A. Network Configuration item in Settings menu
- B. Host view in Network menu
- C. Host NICs tab in Hardware menu
- D. I/O Metrics tab in VM menu

Correct Answer: BC

QUESTION 5

An administrator is notified that a bare metal database server is down. This database server is being served storage using a Nutanix Volume Group. Upon investigating, the administrator finds that the disks in the database server that map to the vDisks in the volume group have gone offline.

What is causing this issue?

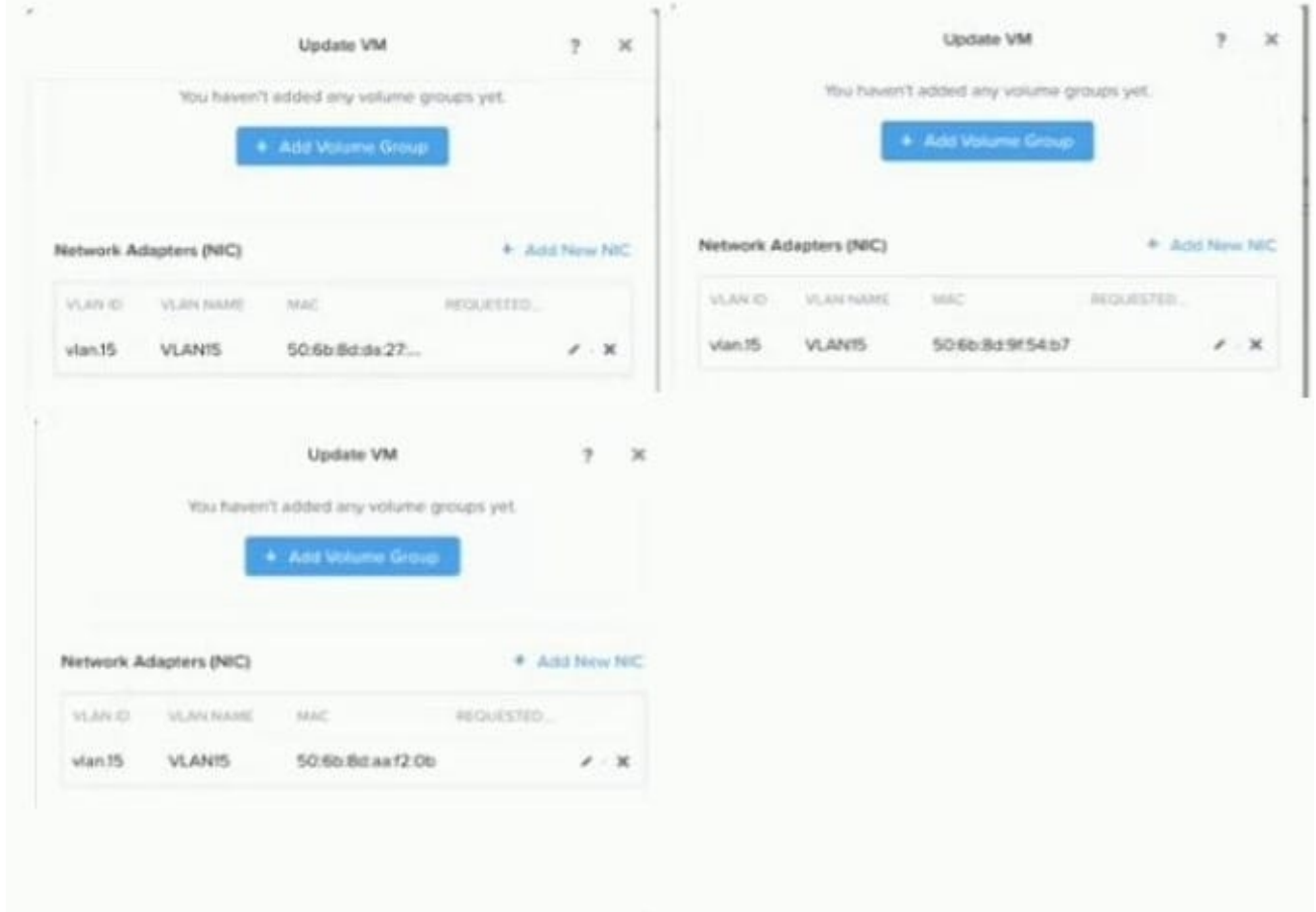
- A. The Volume Group Load Balancer has been disabled.
- B. Port 9443 is blocked in the server firewall.
- C. Port 3260 has been blocked in the server firewall.
- D. A CVM serving the Volume Group has gone offline.

Correct Answer: D

QUESTION 6

Refer to the exhibit.

VM NICs



TOR Switch

```
interface port-channel3000
description VPC 3000
switchport mode trunk
switchport trunk allowed vlan 10-20,30,40
switchport trunk native vlan 15
spanning-tree port type edge trunk
no lACP suspend-individual
vpc 3000
```

Cluster Networks

EUC-CONT	vlan.12	✎ ✕
EUC-EMP	vlan.11	✎ ✕
myinet	vlan.0	✎ ✕
VLAN15	vlan.15	✎ ✕
VLAN2	vlan.2	✎ ✕
VLAN20	vlan.20	✎ ✕
VLAN30	vlan.30	✎ ✕

An administrator is commissioning a Nutanix Enterprise Cloud. Once the user VMs have been deployed and are running, the administrator finds that VMs on the same host are able to communicate, but are unable to communicate between hosts.

What must be changed to enable full inter-VM communications?

- A. Change the network the VMs are connected to
- B. Change the spanning-tree port type on the switch
- C. The VMs need to have static IP addresses
- D. Update the switch to specifically allow VLAN 15

Correct Answer: D

Ref: <https://hyperhci.com/2019/11/09/nutanix-ahv-enable-vlan-trunk-mode-on-guest-vm/>

QUESTION 7

An administrator is currently using both 10g uplink with LACP and balance-tcp. A single VM should not be allowed to use more than a single 10G uplink, and both uplinks should be utilized. Which two command should be used to configure the bond? (choose two)

- A. `Ovs-vsctl set port br0-up bond_mode=balance-slb`
- B. `Ovs-vsctl set port br0-up bond_mode=balance-tcp`
- C. `Ovs-vsctl set port br0-up bond_mode=active-backup`
- D. `Ovs-vsctl set port br0-up other_config: bond-rebalance-interval=30000`

Correct Answer: AD

QUESTION 8

Refer to the exhibit.

The screenshot shows the 'Authentication Configuration' page with three tabs: 'Directory List', 'Authentication Types', and 'Client'. The 'Directory List' tab is active. The configuration fields are as follows:

- Directory Type: Active Directory (dropdown)
- Name: Corp (text input)
- Domain: corp.yourcompany.com (text input)
- Directory URL: ldaps://corp.yourcompany.com:389 (text input)
- Search Type: Non Recursive (Default) (dropdown)

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

Ref: <https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v510:mul-security-authentication-pc-t.html>

QUESTION 9

A VM does not have enough resources for the demand, which leads to performance bottlenecks. The VM is exhibiting one or more of following baseline values, based on the past 30 days:

1.

CPU usage>; 90% (moderate), 95% (high)

2.

CPU ready time>; 5%, 10%

3.

Memory usage>; 90%, 95%

4.

Memory swap rate>; 0 Kbps (no moderate value) Which type of VM is being described?

A. Constrained VM

B. Bully VM

C. Inactive VM

D. Over-provisioned VM

Correct Answer: A

QUESTION 10

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:

1.

Repeat every 6 hours

2.

Local Retention Policy 1

3.

Remote Retention Policy 8

4.

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: B

QUESTION 11

HOTSPOT

An administrator is configuring an All Flash cluster to support the following workloads:

1.
Full clone virtual desktops
2.
Hadoop
3.
Write heavy databases

Which three correct configuration options should the administrator use to meet the item requirements? (Choose three.)

For each procedure, indicate whether it is a correct or incorrect procedure that must be configured to meet the item requirements using the drop-down option.

Hot Area:

Answer Area

Procedure

One container with compression and deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with compression and Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with compression enabled for heavy databases

	▼
Correct	
Incorrect	

One container with deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with deduplication enabled for Hadoop

	▼
Correct	
Incorrect	

Correct Answer:

Answer Area

Procedure

Correct/Incorrect

One container with compression and deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with compression and Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with compression enabled for heavy databases

	▼
Correct	
Incorrect	

One container with deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with Erasure Coding enabled for Hadoop

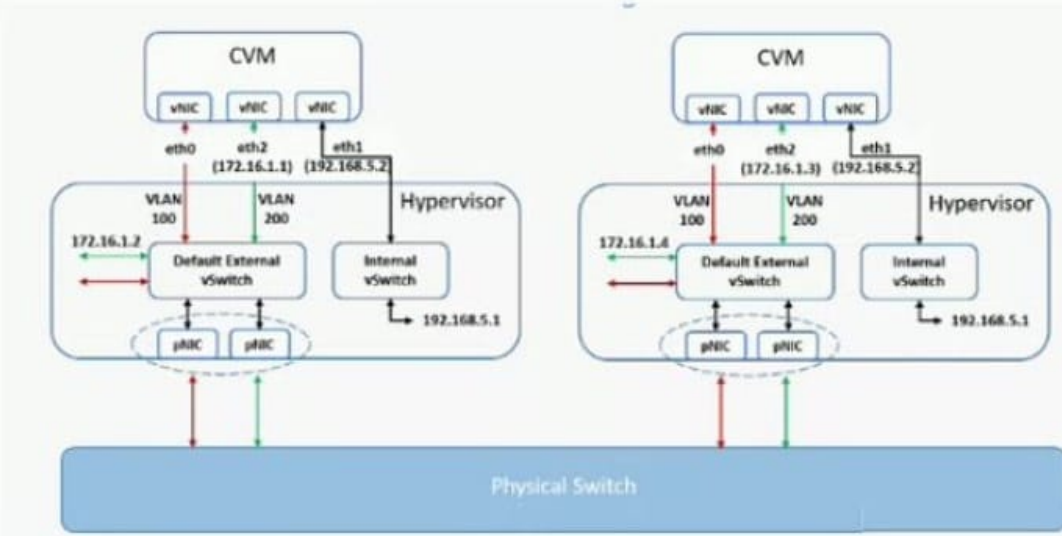
	▼
Correct	
Incorrect	

One container with deduplication enabled for Hadoop

	▼
Correct	
Incorrect	

QUESTION 12

Refer to the exhibit.



What is the purpose of eth2 on the CVMs?

- A. RDMA Network Segmentation
- B. iSCSI connectivity
- C. Remote site connectivity
- D. Network Segmentation

Correct Answer: A

Ref: <https://next.nutanix.com/installation-configuration-23/backplane-network-in-aos-5-5-27291>

QUESTION 13

An administrator knows that the disks in a cluster are out of date and a new firmware is available. For security reasons, these clusters do not have access to the Internet. Which two steps must be completed to update the firmware? (Choose two.)

- A. Configure LCM with a URL to access the firmware bundle.
- B. Download a dark site bundle and stage it on an internal webserver.
- C. Download the updated firmware .tgz file from the Nutanix portal.
- D. Select Upgrade Software, then select disks and upload the updated firmware.

Correct Answer: CD

QUESTION 14

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: A

Ref: https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v5_10:mul-security-role-permissions-pc-t.html

QUESTION 15

An administrator has two clusters: Site A and Site B. Async DR is configured between the clusters as follows:

1.

Site A is the Primary Site

2.

Site B is the Secondary inactive Site, no VMs running

3.

Site A is fully in Production

4.

Site B used as Backup/Disaster Recovery

The customer wants to perform a planned failover between the sites.

How should the administrator accomplish this?

- A. Click Activate on the Secondary site within the Data Protection Dashboard
- B. Click Activate on the Secondary site and run deactivate NCLI command on Primary site
- C. Choose Migrate on the Secondary site within the Data Protection Dashboard
- D. Choose Migrate on the Primary site within the Data Protection Dashboard

Correct Answer: D

Ref: <https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v510:wc-protection-domain-failover-wc-t.html>