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Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) 5.20

Nutanix NCM-MCI-5.20

Version Demo

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QUESTION NO: 1

The networking team makes changes to the Top of Rack switches to which the Nutanix cluster are attached. A few VMs are able to communicate with each other on the same node but are unable to connect to other parts of the network.

What is the likely cause of this issue?

- A. There is a VLAN misconfiguration on the VMs.
- B. The vNIC port is disconnected on the affected VMs.
- C. There is a VLAN misconfiguration on the switch.
- D. Jumbo Frame are misconfigured across ports.

ANSWER: C

QUESTION NO: 2

Refer to the exhibit.



A Microsoft SQL 2016 deployment is shown in the exhibit. The administrator receives user reports that database queries take too long to return.

Which optimization should be made to this configuration to improve performance?

- A. Combine both of the OS and SQL Binaries disks
- B. Add a second SCSI controller for the Database.
- C. TempDB, and Logs disk Separate the Database. TempDB, and Logs onto their own disks
- D. Configure the VM to use a PCI disk controller

ANSWER: C

QUESTION NO: 3 - (HOTSPOT)

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

- Full clone virtual desktops
- Hadoop
- 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.

Procedure	Correct/Incorrect
One container with compression and deduplication enabled for full clone virtual desktops	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with compression and Erasure Coding enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with compression enabled for heavy databases	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with deduplication enabled for full clone virtual desktops	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with Erasure Coding enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with deduplication enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>

ANSWER:

Procedure

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

One container with compression and Erasure Coding enabled for Hadoop

One container with compression enabled for heavy databases

One container with deduplication enabled for full clone virtual desktops

One container with Erasure Coding enabled for Hadoop

One container with deduplication enabled for Hadoop

Correct/Incorrect

Select

Select

Select

Select

Select

Select

Explanation:

Procedure	Correct/Incorrect
One container with compression and deduplication enabled for full clone virtual desktops	Correct
One container with compression and Erasure Coding enabled for Hadoop	Incorrect
One container with compression enabled for heavy databases	Correct
One container with deduplication enabled for full clone virtual desktops	Select
One container with Erasure Coding enabled for Hadoop	Select
One container with deduplication enabled for Hadoop	Select

Ref:

Use Case	Example	Recommendation
User data	File server, user data vDisk	Post-process compression with 4–6 hour delay
VDI	VMware View, Citrix XenDesktop	VCAI snapshots, linked clones, full clones with inline deduplication No compression
Data processing	Hadoop, data analytics, data warehousing	Inline Compression
Transactional applications	Exchange, Active Directory, SQL Server, Oracle	Native application compression where available, otherwise inline compression
Archive or backup	Handy Backup, SyncBack	Inline compression unless data is already compressed

QUESTION NO: 4

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

ANSWER: A D

QUESTION NO: 5

An administrator receives an error indicating that the CVMs in the cluster are not syncing to any NTP servers. An investigation of the issue finds:

- The NTP servers are configured in Prism
- The time on all CVMs is the same
- Both the CVMs and AHV hosts are configured for the UTC time zone

Which two steps can be taken to troubleshoot this issue? (Choose two.)

- A. Confirm that the NTP servers are reachable from the CVMs.
- B. Restart genesis on all CVMs.
- C. On a CVM. run the command a Hash ntpq -pn.
- D. Restart the chronos service on all CVMs.

ANSWER: A C

Explanation:

Ref: https://portal.nutanix.com/page/documents/kbs/details?targetId=kA032000000bmjeCAA#Review_ntpq

QUESTION NO: 6

What are two types of Protection Domains that Nutanix Offers for data Protection? Choose Two

- A. Consistency Group
- B. Snapshot
- C. Metro Availability
- D. Async DR

ANSWER: C D

QUESTION NO: 7

An administrator of a Nutanix Enterprise Cloud has microsegmentation enabled and a firewall VM installed. The security team notifies the administrator that one of the VMs hosted in the environment has been exhibiting suspect network activity. The administrator wants to isolate the VM from the production network, but must still be able to access it to perform diagnostics.

What should the administrator do to meet the requirement?

- A. Disable the vNIC on the affected VM
- B. Quarantine the VM using the Forensic Method
- C. Create a firewall rule that blocks VM traffic but permits diagnostic access
- D. Create a security policy with a service chain directing that VMs traffic to the firewall VM

ANSWER: B

Explanation:

Ref <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e00000LleICAG>

Nutanix flow – Quarantine security policy

Quarantine policy in Nutanix flow is predefined and build into the product. You cannot modify it or change it or create a new quarantine policy.

Quarantine policy in Nutanix Flow has two methods:

- Forensic – VM cannot talk to anything in the network, except to the specific forensic tools configured in the policy
- Strict – VM cannot talk to anything in the network

QUESTION NO: 8

A three-node cluster has a Nutanix Files instance with three FSVMs.

What happens after a node failure?

- A. The affected FSVM will get live-migrated to another node.
- B. The affected FSVM will not be restarted on another node due to its agent VM setting.
- C. The affected FSVM will not be restarted on another node due to its VM-to-VM anti-affinity settings.
- D. The affected FSVM will be restarted on another node.

ANSWER: D

Explanation:

Ref: https://portal.nutanix.com/page/documents/details?targetId=Files-v3_6:fil-files-high-availability-c.html

HIGH AVAILABILITY

Fall over for file server VMs (FSVMs).

High Availability (HA) for Files insures that during a disruption of service a file server VM (FSVMs), on clusters of two or more FSVMs, can fall over to another FSVM. High Availability is enabled by default on all clusters of two or more FSVMs.

When an FSVM experiences an issue, Files reassigns the IP of the FSVM to another FSVM in the cluster. The IP of the out-of-service FSVM remains available. However, the shares and exports on the impacted FSVM are unavailable for several minutes during a failover.

Affinity rules do not affect HA; multiple FSVMs can share a single host during a HA event.

QUESTION NO: 9

An administrator wants to utilize Network Visualization to monitor the physical and logical network on the Nutanix cluster. The first-hop switch has LLDP enabled. The network switch information is still not being displayed.

What is causing this problem?

- A. The ISL between switches is not configured.
- B. SNMP is not configured properly.
- C. br0 and br1 are not defined.
- D. The cluster is using RDMA-enabled NICs.

ANSWER: B

Explanation:

ref: <https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v55:wc-network-visualization-intro-c.html>

QUESTION NO: 10

An Administrator has received the following critical alert:

Node 192.168.148.172 is marked to be detached from metadata the administrator has opened a case with Nutanix and the support engineer has requested more information about the error. Which two action should the administrator take in the health check dashboard to collect the requested information? choose two

- A. Open A remote support tunnel
- B. Run Logbay
- C. Create an entity chart
- D. Run Nutanix cluster check

ANSWER: B D