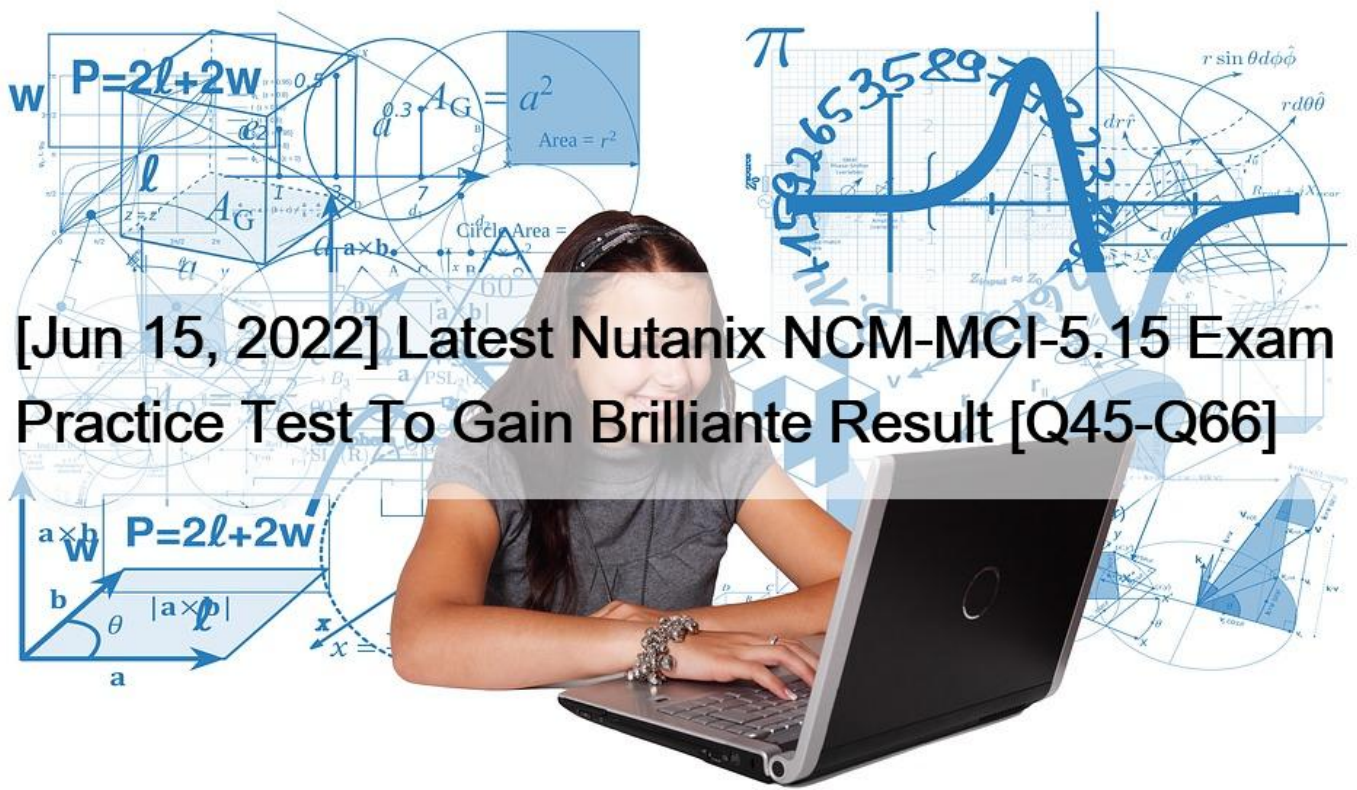


[Jun 15, 2022 Latest Nutanix NCM-MCI-5.15 Exam Practice Test To Gain Brilliant Result [Q45-Q66]



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NO.45 A customer has a Nutanix cluster with 10Gb connectivity via switch fabric extenders. The administrator receives NCC health check errors of latency greater than 200ms.

Which action should the administrator take to resolve the NCC errors?

- * Replace the switch fabric extenders with 10G line rate switches
- * Upgrade NCC and increase the CVM memory by 4Gb
- * Add 2 additional 10G uplinks from the switch fabric extenders per node
- * Upgrade NCC and increase the vCPU of the CVM

Explanation

Ref:

<https://portal.nutanix.com/page/documents/details?targetId=System-Specs-G6-Single-Node:set-block-connect-c>.

NO.46 An administrator needs to expand a cluster based on AHV and running on Nutanix G5 hardware with a new Nutanix G7 system. The cluster is running AOS 5.10 but the operation fails when expanding the cluster. AOS is running on the new system. There are no issues discovering the node.

Why is the operation failing?

- * AOS version running on G7 is older than the version on the cluster.
- * Foundation software has not been updated on the cluster.
- * G7 hardware cannot be added to a G5 cluster.
- * EVC needs to be configured before cluster expansion

Explanation

Ref: <https://next.nutanix.com/installation-configuration-23/product-mixing-restrictions-37231>

NO.47 A customer recently set up Async Replication between Site A and Site B. The customer wants to conduct a planned failover and clicks Activate on Site B.

The customer then runs the following command on Site A:

```
ncli pd deactivate_and__destroy_vms name=<protection_domain_name>
```

What does this do to the customer environment?

- * VMs get deleted from Site B. and the protection domain is now Active.
- * VMs are powered off on Site A and must be manually powered on at Site B.
- * VMs get deleted from Site A and the protection domain is no longer active.
- * Customer must then manually power off VMs at Site A and power them on at Site B.

Explanation

https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5_10:wc-protection-do

NO.48 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?

- * Create a volume group with several virtual disks and attach to the VM
- * Create a volume group with one virtual disk attached to the VM
- * Create a virtual disk attached to the VM's PCI interface
- * Create several virtual disks attached to the VM's virtual SCSI controller

Explanation

Ref:

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

NO.49 A system administrator needs to shut down an AHV node in a Nutanix cluster without causing service disruption. The administrator checks data resiliency and verifies that the cluster can tolerate a node down.

Which three steps should the administrator perform next? (Choose three.)

Procedure

Step

Put the host in maintenance mode

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Shut down the CVM

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Shut down the node

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Power off the node

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Allow VMs to start on the remaining nodes

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

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Procedure

Put the host in maintenance mode

Step

Step 1 ▼
Step 2 ▼
Step 3 ▼
Invalid Step ▼

Shut down the CVM

Step 1 ▼
Step 2 ▼
Step 3 ▼
Invalid Step ▼

Shut down the node

Step 1 ▼
Step 2 ▼
Step 3 ▼
Invalid Step ▼

Power off the node

Step 1 ▼
Step 2 ▼
Step 3 ▼
Invalid Step ▼

Allow VMs to start on the remaining nodes

Step 1 ▼
Step 2 ▼
Step 3 ▼
Invalid Step ▼

Explanation

1 allow vms 2 sd CVM 3 sd node

NO.50 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?

- * Create a volume group with several virtual disks and attach to the VM
- * Create a volume group with one virtual disk attached to the VM

- * Create a virtual disk attached to the VM's PCI interface
- * Create several virtual disks attached to the VM's virtual SCSI controller

Explanation

Ref:

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

NO.51 Refer to the exhibit.

The screenshot displays the Nutanix NCM interface for configuring VMs. It is divided into three main sections:

- VM NICs:** Three 'Update VM' windows are shown, each with a table of Network Adapters (NIC). Each table has columns for VLAN ID, VLAN NAME, MAC, and REQUESTED... The first two windows show a single entry for 'vlan15' with VLAN NAME 'VLAN15' and MAC '50:6b:8d:da:27:...' and '50:6b:8d:9f:54:b7' respectively. The third window shows a similar entry with MAC '50:6b:8d:a1:12:0b'.
- TOR Switch:** A configuration snippet for interface 'port-channel3000' is shown, including 'description VPC 3000', 'switchport mode trunk', and 'switchport trunk allowed vlan 10-20,30,40'. It also shows 'switchport trunk native vlan 15', 'spanning-tree port type edge trunk', and 'no lacp suspend-individual vpc 3000'.
- Cluster Networks:** A table listing network configurations for various hosts:

Host	VLAN	Action
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?

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

Explanation

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

NO.52 An administrator is deploying a new application to a Nutanix Enterprise Cloud. The application requires a security to prevent unauthorized access. The application also uses many non-standard ports that are unique to it. Security should not be changed for existing applications.

What should the administrator do to meet these requirement?

- * Use existing categories for the VMs. and create new security policies to use the existing categories.
- * Use existing categories for the VMs and modify existing security policies to include the specific port.
- * Create new categories for the VMs, and create new security policies that include the new categories.
- * Create new categories for the VMs, and modify existing security policies to include the new categories.

NO.53 An administrator manages the following two Nutanix AOS 5.15 cluster environment:

- * Corp-cluster-01
- * Corp-cluster-02

The VM images must be available only on Corp-cluster-01, but cannot be checked out to cluster Corp-cluster-02. The images also cannot be checked out to any other clusters that are registered with Prism Central in the future.

Which two configuration settings must the administrator choose when creating the image placement policy that satisfies the stated requirements? (Choose two.)

- * Create an image placement policy that identifies cluster Corp-cluster-01 as the target cluster
- * Set the policy enforcement to Soft.
- * Set the policy enforcement to Hard.
- * Create an image placement policy that identifies cluster Corp-cluster-02 as the target cluster.

Explanation

Ref: <https://next.nutanix.com/community-blog-40/nutanix-just-made-ahv-image-management-painless-33144>

NO.54 A company needs to replicate their VMs to a remote site and must have an RPO of less than 1 hour.

When creating a protection domain, what should an administrator do to meet this requirement?

- * Enable Async Replication with an RPO of 60 minutes
- * Enable Near-Sync Replication with an RPO of 15 minutes
- * Enable Entity Sync on the designated VMs
- * Enable Availability Zones and send the VM to multiple targets

Explanation

Ref:

https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5_10:sto-pd-guidelines

NO.55 A customer with a four-node RF2 cluster is adding application VMs to their system. After adding these VMs, the Prism dashboard shows 81% storage utilization.

What is the consequence of running the cluster at 81% storage utilization?

- * The customer has the ability to add more VMs up to the 100% storage utilization.
- * There is available capacity in the storage fabric and the cluster is resilient.
- * Node failure is imminent due to storage utilization.
- * The cluster is not resilient in the storage fabric

Explanation

<https://next.nutanix.com/how-it-works-22/recommended-maximum-storage-utilization-37234>

NO.56 Refer to the exhibit.



User	Quota	Enforcement
All Users	No quota limit	
fileslab\user1	5 GiB	Soft
All Users in "AAPM"	10 GiB	Hard

User 1 and User 2 belong to the AAPM group

What are two descriptions of how Files perform quota management? (Choose two.)

- * User 2 can continue to add another 3GB file but will receive a daily notification email.
- * User 1 can continue to add another 5GB file but will receive a daily notification email.
- * User 1 can add an 8GB file to the share without receiving notification.
- * User 2 can add an 8GB file without receiving a notification email.

Explanation

Ref:

https://portal.nutanix.com/page/documents/details?targetId=Files-v3_6:fil-file-server-quotas-c.html#nconcept_a

NO.57 An administrator is using Nutanix Move to migrate a Windows VM from ESXi to AHV. Automated guest preparation is failing with an error:

Account has UAC enabled error

The administrator is using the local built-in administrator account for the Windows VM Admin approval mode must remain enabled.

What should the administrator do to continue with the migration with Nutanix Move?

- * Use a Domain Admin account for the Windows VM
- * Reboot the Windows VM and try the migration again
- * Follow manual VM preparation guidelines
- * Place Windows VM in Maintenance Mode

Explanation

<https://next.nutanix.com/move-application-migration-19/nutanix-xtract-validation-failed-user-must-belong-in-a-g>

NO.58 An administrator needs to maximize storage potential in a six-node cluster. The container is configured with the following:

- * Post-process compression
- * Capacity deduplication

What should the administrator configure to increase space savings?

- * Erasure coding
- * Inline compression
- * Reserve capacity
- * Cache dedupe

NO.59 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?

- * Compression, Deduplication, and Erasure Coding
- * Deduplication and Erasure Coding
- * Compression and Deduplication
- * Compression only

Explanation

Ref:

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

NO.60 After the migration, some SQL queries take longer to execute than prior to migration.

The following SQL best practices were applied while creating the SQL VM on Nutanix:

- *8 vDisks per SQL server VM

*Database and Log files on separate vDisk

*2 TempDB database drives and 1 TempDB log drive

What should the administrator do to improve the SQL Server performance?

- * Redistribute existing data by creating additional database file and enable autogrowth
- * Create multiple TempDB data files and enable autogrowth
- * Create multiple SQL log files and disable autogrowth
- * Redistribute existing data by creating additional database files and disable autogrowth

NO.61 A customer has two mission-critical applications and needs to have them backed up to a remote location. The remote location is connected using a leased line and has an average latency of 7 ms.

Which Nutanix technology will provide the shortest RPO possible?

- * NearSync
- * Leap
- * Metro Availability
- * Asyn&DR

Explanation

Ref:

https://portal.nutanix.com/page/documents/solutions/details?targetId=BP-2005_Data_Protection:BP-2005_Data

NO.62 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:

- * Repeat every 6 hours
- * Local Retention Policy 1
- * Remote Retention Policy 8
- * 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?

- * From the Remote site, activate the Protection Domain, then re-protect the entity.
- * From the Remote site, restore the VM from the local snapshot by selecting the correct snapshot
- * From the local site, retrieve the correct remote snapshot, then restore the VM locally.
- * From the local site, restore the VM from the local snapshot by selecting the correct snapshot.

NO.63 An administrator needs to evaluate if the existing configuration of Protection Domains meets the specified corporate recovery policy for SQL Data. The corporate policy requires that all SQL Servers be recoverable at the DR site within 30 minutes, and must result in a maximum of 60 minutes of data loss. SQL data must be required.

The protection domain is configured as follows:

- * Application consistent snapshots are enabled
- * The SQL server VMs are assigned to the Protection Domain as their own Consistency Group
- * The Protection Domain schedule is configured as snapshots taken every 90 minutes from 7 am until 8 pm What must be changed to meet the required policy?
 - * Revise the schedule to be 15 minutes
 - * Revise the schedule to be 60 minutes
 - * Revise the schedule to be 30 minutes
 - * Revise the schedule to be 45 minutes

NO.64 Refer to the exhibit.

The screenshot displays three panels from the Nutanix NCM interface:

- VM NICs:** Three 'Update VM' windows are shown, each with a table for Network Adapters (NIC). Each table has columns for VLAN ID, VLAN NAME, MAC, and REQUESTED. The first two tables show a single entry for 'vlan15' with 'VLAN15' and MAC '50:6b:8d:da:27...'. The third table shows 'vlan15' with 'VLAN15' and MAC '50:6b:8d:aa:12:0b'.
- TOR Switch:** A configuration snippet for interface 'port-channel3000' on VPC 3000. It is configured as a trunk mode switchport with allowed VLANs 10-20, 30, and 40. The native VLAN is 15. The spanning-tree port type is set to 'edge trunk'.
- Cluster Networks:** A table listing network configurations for various hosts:

Host	VLAN	Requested
EUC-CONT	vlan.12	✓ X
EUC-EMP	vlan.11	✓ X
mynet	vlan.0	✓ X
VLAN15	vlan.15	✓ X
VLAN2	vlan.2	✓ X
VLAN20	vlan.20	✓ X
VLAN30	vlan.30	✓ X

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?

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

Explanation

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

```
switchport trunk native vlan 10 optional )  
switchport trunk allowed vlan 10,20,30 ( Note: Specify the VLANs to allow through Trunk mode )
```

NO.65 An administrator has a VM that consumes large amounts of storage and has the following characteristics:

- * Create large / sequential writes
- * Data must be kept for years
- * Data is normally only accessed at the end of the year to run report

The administrator decides to use Erasure Coding to save space.

Which feature should the administrator utilize to save space for this VM?

- * Inline Compression
- * Flash Mode
- * Cache Dedup
- * Post-Process Compression

NO.66 A customer has Metro Availability configured in Automatic Resume Mode between Site A and Site B What happens to VMs if Primary Site A has full network failure?

- * Automatic protection domain promotion in Site B. VMs automatically restart in Site B
- * VMs continue to run on Site A following an automatic disable of protection domains.
- * An administrator must unwitness in Site B and promote protection domains in Site B for VMs to restart
- * An administrator must promote protection domains in Site B for VMs to restart.

Explanation

Ref:

<https://support-portal.nutanix.com/page/documents/details/?targetId=Web-Console-Guide-Prism-v55:sto-metro>

Authentic Best resources for NCM-MCI-5.15 Online Practice Exam:

<https://www.actualtests4sure.com/NCM-MCI-5.15-test-questions.html>