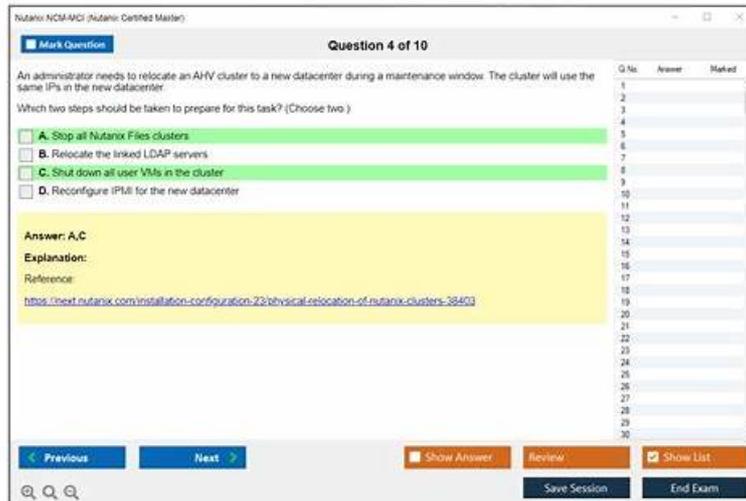


NCM-MCI Test Questions Pdf & Test NCM-MCI Dumps Pdf



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Nutanix NCM-MCI Exam Information

- Languages: English
- Time Duration: 60 minutes
- The passing score: 73%

Prerequisites for Nutanix NCM-MCI Exam

Nutanix Certified Master (NCM) is the highest level of accreditation available in the Nutanix Partner Network. The NCMs are technology experts and provide strategic guidance to customers on architecting and implementing enterprise cloud solutions.

The NCM-MCI 5.15 certification proves one's skills in designing, building, managing, and supporting an enterprise cloud infrastructure using the Nutanix Enterprise Cloud OS software. This exam validates that a candidate has the expertise to perform configuration and troubleshooting of Nutanix software components at both the cluster and single node level. **Nutanix NCM-MCI Exam Dumps** are available for you to take the exam. A candidate for this exam should demonstrate proficiency with Nutanix Prism Central management as well as primary and secondary storage capabilities.

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For more info visit:

Nutanix Certified Master - Multicloud Infrastructure v6.10 Sample Questions (Q14-Q19):

NEW QUESTION # 14

Task 11

An administrator has noticed that after a host failure, the SQL03 VM was not powered back on from another host within the cluster. The Other SQL VMs (SQL01, SQL02) have recovered properly in the past.

Resolve the issue and configure the environment to ensure any single host failure affects a minimal number of SQL VMs.

Note: Do not power on any VMs

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

One possible reason why the SQL03 VM was not powered back on after a host failure is that the cluster was configured with the default (best effort) VM high availability mode, which does not guarantee the availability of VMs in case of insufficient resources on the remaining hosts. To resolve this issue, I suggest changing the VM high availability mode to guarantee (reserved segments), which reserves some memory on each host for failover of VMs from a failed host. This way, the SQL03 VM will have a higher chance of being restarted on another host in case of a host failure.

To change the VM high availability mode to guarantee (reserved segments), you can follow these steps:

Log in to Prism Central and select the cluster where the SQL VMs are running.

Click on the gear icon on the top right corner and select Cluster Settings.

Under Cluster Services, click on Virtual Machine High Availability.

Select Guarantee (Reserved Segments) from the drop-down menu and click Save.

To configure the environment to ensure any single host failure affects a minimal number of SQL VMs, I suggest using anti-affinity rules, which prevent VMs that belong to the same group from running on the same host. This way, if one host fails, only one SQL VM will be affected and the other SQL VMs will continue running on different hosts.

To create an anti-affinity rule for the SQL VMs, you can follow these steps:

Log in to Prism Central and click on Entities on the left menu.

Select Virtual Machines from the drop-down menu and click on Create Group.

Enter a name for the group, such as SQL Group, and click Next.

Select the SQL VMs (SQL01, SQL02, SQL03) from the list and click Next.

Select Anti-Affinity from the drop-down menu and click Next.

Review the group details and click Finish.

I hope this helps. How else can I help?

https://portal.nutanix.com/page/documents/details?targetId=AHV-Admin-Guide-v6_5:ahv-affinity-policies-c.html

NEW QUESTION # 15

Task 7

An administrator has environment that will soon be upgraded to 6.5. In the meantime, they need to implement log and apply a security policy named Staging_Production, such that not VM in the Staging Environment can communicate with any VM in the production Environment, Configure the environment to satisfy this requirement.

Note: All other configurations not indicated must be left at their default values.

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

To configure the environment to satisfy the requirement of implementing a security policy named Staging_Production, such that no VM in the Staging Environment can communicate with any VM in the production Environment, you need to do the following steps: Log in to Prism Central and go to Network > Security Policies > Create Security Policy. Enter Staging_Production as the name of the security policy and select Cluster A as the cluster.

In the Scope section, select VMs as the entity type and add the VMs that belong to the Staging Environment and the Production Environment as the entities. You can use tags or categories to filter the VMs based on their environment.

In the Rules section, create a new rule with the following settings:

Direction: Bidirectional

Protocol: Any

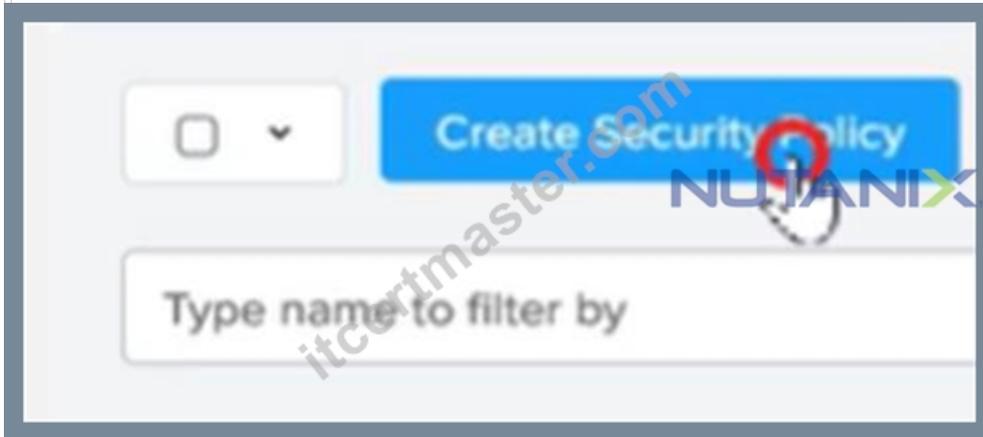
Source: Staging Environment

Destination: Production Environment

Action: Deny

Save the security policy and apply it to the cluster.

This will create a security policy that will block any traffic between the VMs in the Staging Environment and the VMs in the Production Environment. You can verify that the security policy is working by trying to ping or access any VM in the Production Environment from any VM in the Staging Environment, or vice versa. You should not be able to do so.



Name
Staging_Production

Purpose
Isolate Staging_Production

Isolate This Category
Environment: Staging

From This Category
Environment: Production

Apply the isolation only within a subset of the data center

Advanced Configuration

Policy Hit Logs Disabled

Cancel **Apply Now** **Save and Monitor**

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2 Actions - Create Security Policy Export & Import - Filters

Type name: Update
Apply 3
Monitor
1 selected of
Delete

To enforce the policy, check the box next to the policy, choose **Actions**, then **Apply**.

1 Staging_Production Isolate HR from IT Environment: Staging Environment: Production Monitoring few seconds ago

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NEW QUESTION # 16

Refer to the exhibit.

□

- Windows Server 2019
- All software/tools/etc to perform the required tasks
- Nutanix Documentation and whitepapers can be found in `Desktop\Files\Documentation` and `Desktop\Files\Documentation 6.10`
- Note that the Workstation is the system you are currently logged into

Nutanix Cluster

- There are two clusters provided, connected to one Prism Central. The connection information for the relevant cluster will be displayed to the right of the question. Please make sure you are working on the correct cluster for each item. Please ignore any licensing violations.

Important Notes

- If the text is too small and hard to read, or you cannot see all of the GUI, you can increase/decrease the zoom of the browser with `CTRL +` and `CTRL -` (the plus and minus keys)

NUTANIX

Assessment Info

Tasks

- Task 1
- Task 2
- Task 3
- Task 4
- Task 5
- Task 6
- Task 7
- Task 8

Task 1

Instructions | Notes | Feedback Flag for review?

Perform the following task(s).

A newly created Windows VM "SQL02" is experiencing poor storage performance when compared to "SQL01" running within the same cluster, on the same storage container.

The cluster is in a healthy state.

Create a new session named Monitor SQL02 with meaningful metrics. Right click on the session page and click Select All then paste this into Notepad and save it as Task 1.txt on the desktop.

Also, save the analysis as a report named "MonitorSQL02" and send the report as a PDF on a daily basis to `perf_group@ACME.org`. Reports should not be retained. If any new objects need to be created, use `monitorvm2` in the name.

Environment Info

Prism Central Web Console

- admin / yKZUJCME7V*
- nutanix / UJ2x0!DEXGY

Cluster 1

CVM external IP : 34.53.118.63
CVM DR IP: 172.30.0.6

- admin / 9Fw08!3QN4XJ
- nutanix / GNP*FE2504XWZ
- root / KR*6HY0Dz5E8

TrueAbility

Prism Central Web Console

- admin / yKZUJCME7V*
- nutanix / UJ2x0!DEXGY

NUTANIX

Cluster 1

CVM external IP : 34.53.118.63
CVM DR IP: 172.30.0.6

- admin / 9Fw08!3QN4XJ
- nutanix / GNP*FE2504XWZ
- root / KR*6HY0Dz5E8

Cluster 2

CVM external IP: 34.82.155.5
CVM DR IP: 172.30.0.4

- admin / 5*K30FA76X
- nutanix / N*3FvM1E7ZT9

Task1

A newly created Windows VM "SQL02" is experiencing poor storage performance when compared to "SQL01" running within the same cluster, on the same storage container.

The cluster is in a healthy state.

Create a new session named Monitor SQL02 with meaningful metrics. Right click on the session page and click Select All then paste this into Notepad and save it as Task 1.txt on the desktop.

Also, save the analysis as a report named "MonitorSQL02" and send the report as a PDF on a daily basis to `perf_group@ACME.org`. Reports should not be retained. If any new objects need to be created, use `monitorvm2` in the name.

Finally, correct the issue within "SQL02"

Notes:

Do not power on the VMs.

While you will be creating a session, you will need to examine the VM configurations to determine the issue.

Do not delete the VM to resolve the issue, any other destructive change is acceptable

Answer:

Explanation:

See the Explanation

Explanation:

This is a classic Nutanix performance troubleshooting scenario. The issue is almost certainly that the VM was created using the wrong Disk Bus Type (IDE or SATA instead of SCSI).

Here is the step-by-step solution to complete Task 1.

Part 1: Analysis and Reporting

Create the Session

Log in to Prism Central (or Prism Element, depending on the exam environment, but Analysis is usually a PC feature).

Navigate to Operations -> Analysis.

Click New Session.

Name: Monitor SQL02

Entity: Search for and select the VM named SQL02.

Metrics: Since the issue is storage performance, search for and add these specific metrics:

Hypervisor IOPS (or Controller IOPS)

Hypervisor IO Latency (or Controller IO Latency)

Hypervisor IO Bandwidth

Click Save.

Save Session Data (Task 1.txt)

Open the "Monitor SQL02" session you just created.

(Per instructions): Right-click anywhere on the chart/data area -> Click Select All.

Copy the selected text (Ctrl+C).

Open Notepad on the provided desktop.

Paste the data.

Save the file as Task 1.txt on the Desktop.

Create and Schedule the Report

While still in the Analysis session, click the Create Report (or "Add to Report") button.

Report Name: MonitorSQL02

Report Settings:

Format: PDF

Frequency: Daily

Email Recipient: perf_group@ACME.org

Retention: 0 (or "Do not retain", as requested).

Note: If the system forces you to create a new Report object and MonitorSQL02 is rejected, use monitorvm2 as the name per the instructions.

Save/Schedule the report.

Part 2: Diagnose and Fix the Issue

The Issue:

VM SQL02 was likely created with its data disks set to IDE or SATA.

Why this causes poor performance: IDE/SATA are emulated hardware with high CPU overhead and low queue depths (single-threaded).

The Standard: SQL01 (the healthy VM) is using SCSI, which is multithreaded and optimized for virtualization.

The Fix (Steps):

Navigate to the VM list in Prism.

Select SQL02 and click Update (or Edit).

Scroll down to the Disks section.

Identify the data disk(s). You will see the Bus Type listed as IDE or SATA.

Do not delete the VM. Instead, perform a disk conversion (destructive change to the disk is allowed, but we want to keep the data).

Method to Convert (Clone to SCSI):

Hover over the IDE/SATA disk to see the path/filename of the vDisk (or write it down).

Click Add New Disk.

Operation: select Clone from ADSF file.

Path: Browse to the storage container and select the file associated with the current IDE disk.

Bus Type: Select SCSI (This is the critical fix).

Index: Ensure it doesn't conflict with existing disks (usually index 1 or higher for data).

Click Add.

Once the new SCSI disk is added, find the original IDE/SATA disk and click the X to remove it.

Click Save.

Note: You do not need to power on the VM to verify. The change from IDE to SCSI allows the VM to use the Nutanix VirtIO drivers for maximum storage performance.

NEW QUESTION # 17

Task 16

Running NCC on a cluster prior to an upgrade results in the following output FAIL: CVM System Partition /home usage at 93% (greater than threshold, 90%) Identify the CVM with the issue, remove the file causing the storage bloat, and check the health again by running the individual disk usage health check only on the problematic CVM do not run NCC health check Note: Make sure only the individual health check is executed from the affected node

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

To identify the CVM with the issue, remove the file causing the storage bloat, and check the health again, you can follow these steps:

Log in to Prism Central and click on Entities on the left menu.

Select Virtual Machines from the drop-down menu and find the NCC health check output file from the list. You can use the date and time information to locate the file. The file name should be something like ncc-output-YYYY-MM-DD-HH-MM-SS.log

Open the file and look for the line that says FAIL: CVM System Partition /home usage at 93% (greater than threshold, 90%). Note down the IP address of the CVM that has this issue. It should be something like X.X.X.X.

Log in to the CVM using SSH or console with the username and password provided.

Run the command `du -sh /home/*` to see the disk usage of each file and directory under /home. Identify the file that is taking up most of the space. It could be a log file, a backup file, or a temporary file. Make sure it is not a system file or a configuration file that is needed by the CVM.

Run the command `rm -f /home/<filename>` to remove the file causing the storage bloat. Replace <filename> with the actual name of the file.

Run the command `ncc health_checks hardware_checks disk_checks disk_usage_check --cvm_list=X.X.X.X` to check the health again by running the individual disk usage health check only on the problematic CVM. Replace X.X.X.X with the IP address of the CVM that you noted down earlier.

Verify that the output shows PASS: CVM System Partition /home usage at XX% (less than threshold, 90%). This means that the issue has been resolved.

#access to CVM IP by Putty

`allssh df -h #look for the path /dev/sdb3 and select the IP of the CVM`

`ssh CVM_IP`

`ls`

`cd software_downloads`

`ls`

`cd nos`

`ls -l -h`

`rm files_name`

`df -h`

`ncc health_checks hardware_checks disk_checks disk_usage_check`

NEW QUESTION # 18

Task 5

An administrator has been informed that a new workload requires a logically segmented network to meet security requirements.

Network configuration:

VLAN: 667

Network: 192.168.0.0

Subnet Mask: 255.255.255.0

DNS server: 34.82.231.220

Default Gateway: 192.168.0.1

Domain: cyberdyne.net

IP Pool: 192.168.9.100-200

DHCP Server IP: 192.168.0.2

Configure the cluster to meet the requirements for the new workload if new objects are required, start the name with 667.

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

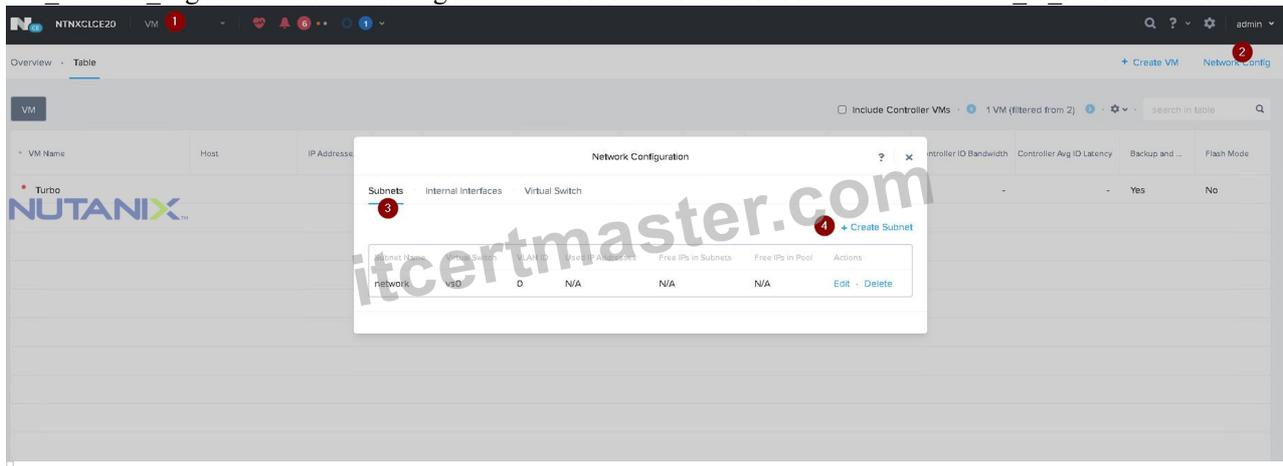
To configure the cluster to meet the requirements for the new workload, you need to do the following steps:

Create a new VLAN with ID 667 on the cluster. You can do this by logging in to Prism Element and going to Network Configuration > VLANs > Create VLAN. Enter 667 as the VLAN ID and a name for the VLAN, such as 667_VLAN.

Create a new network segment with the network details provided. You can do this by logging in to Prism Central and going to Network > Network Segments > Create Network Segment. Enter a name for the network segment, such as 667_Network_Segment, and select 667_VLAN as the VLAN. Enter 192.168.0.0 as the Network Address and 255.255.255.0 as the Subnet Mask. Enter 192.168.0.1 as the Default Gateway and 34.82.231.220 as the DNS Server. Enter cyberdyne.net as the Domain Name.

Create a new IP pool with the IP range provided. You can do this by logging in to Prism Central and going to Network > IP Pools > Create IP Pool. Enter a name for the IP pool, such as 667_IP_Pool, and select 667_Network_Segment as the Network Segment. Enter 192.168.9.100 as the Starting IP Address and 192.168.9.200 as the Ending IP Address.

Configure the DHCP server with the IP address provided. You can do this by logging in to Prism Central and going to Network > DHCP Servers > Create DHCP Server. Enter a name for the DHCP server, such as 667_DHCP_Server, and select 667_Network_Segment as the Network Segment. Enter 192.168.0.2 as the IP Address and select 667_IP_Pool as the IP Pool.



Create Subnet ? X

Boot File Name

IP Address Pools ?

+ Create Pool

Start Address	End Address
192.168.9.100 14	192.168.9.200

Override DHCP server 15

DHCP Server IP Address

 16

Cancel
Save 17

NEW QUESTION # 19

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