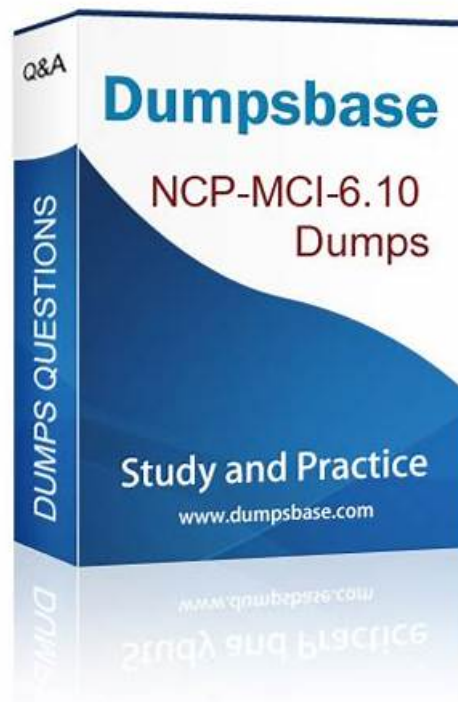


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Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) Sample Questions (Q32-Q37):

NEW QUESTION # 32

Task 7

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:

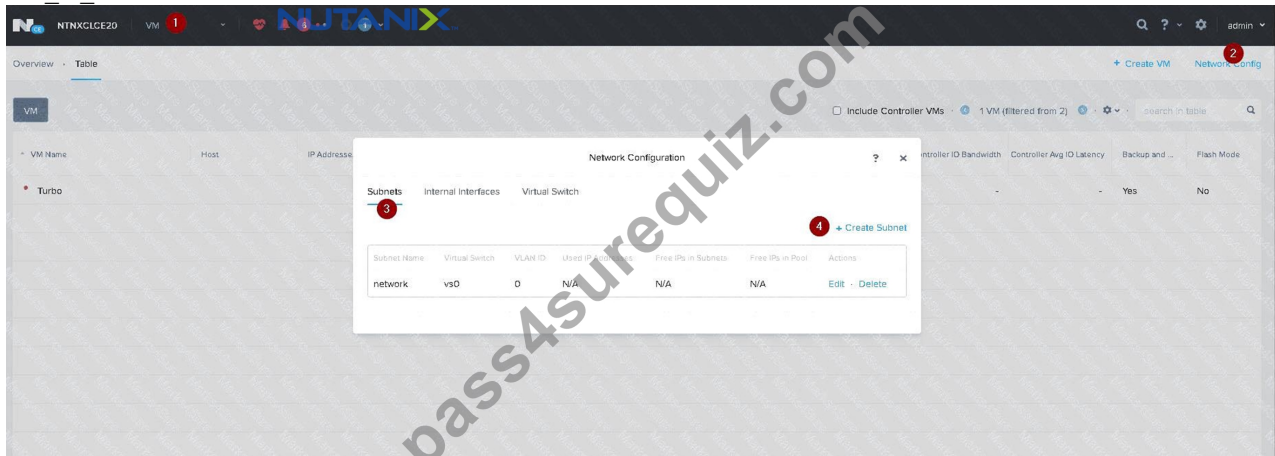
To configure the cluster to meet the requirements for the new workload, you need to do the following steps:

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.



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NUTANIX™
Create Subnet

Boot File Name

IP Address Pools ⓘ

+ Create Pool

Start Address: 192.168.9.100 14 End Address: 192.168.9.200

☒ Override DHCP server ⓘ 15

DHCP Server IP Address: 192.168.0.2 16

Cancel Save 17

NEW QUESTION # 33

Task 9

The application team has requested several mission-critical VMs to be configured for disaster recovery. The remote site (when added) will not be managed by Prism Central. As such, this solution should be built using the Web Console.

Disaster Recovery requirements per VM:

Mkt01

RPO: 2 hours

Retention: 5 snapshots

Fin01

RPO: 15 minutes

Retention: 7 days

Dev01

RPO: 1 day

Retention: 2 snapshots

Configure a DR solution that meets the stated requirements.

Any objects created in this item must start with the name of the VM being protected.

Note: the remote site will be added later

Answer:

Explanation:

See the Explanation for step by step solution.

Explanation:

To configure a DR solution that meets the stated requirements, you can follow these steps:

Log in to the Web Console of the source cluster where the VMs are running.

Click on Protection Domains on the left menu and click on Create Protection Domain.

Enter a name for the protection domain, such as PD_Mkt01, and a description if required. Click Next.

Select Mkt01 from the list of VMs and click Next.

Select Schedule Based from the drop-down menu and enter 2 hours as the interval. Click Next.

Select Remote Site from the drop-down menu and choose the remote site where you want to replicate the VM.

Click Next.

Enter 5 as the number of snapshots to retain on both local and remote sites. Click Next.

Review the protection domain details and click Finish.

Repeat the same steps for Fin01 and Dev01, using PD_Fin01 and PD_Dev01 as the protection domain names, and adjusting the interval and retention values according to the requirements.



The image shows three screenshots of the Nutanix Protection Domain (PD) creation wizard. The first screenshot shows the 'Name' field with 'Mkt01-PD' entered. The second screenshot shows the 'Auto protect related entities' checkbox checked and a 'Next' button. The third screenshot shows the 'Protected Entities (1)' list with 'Mkt01' selected.

A protection domain is a grouping of Virtual Machines for disaster recovery purposes. Enter a name (using alpha numeric characters only) for the protection domain you would like to create. You will then be guided into assigning Virtual Machines to it, and scheduling it.

Name

Mkt01-PD

☒ Auto protect related entities. ?

Protect Selected Entities (1)

Previous Next

Protected Entities (1)

Search by Entity Name

Search by CG Name

<input type="checkbox"/>	Entity Name	CG
<input type="checkbox"/>	Mkt01	Mkt01

Unprotect Selected Entities

NEW QUESTION # 34

The DB team is requesting an SQL database instance and has requested it be configured for best performance.

This VM has been migrated from a 3 tier solution into Nutanix.

The database VM hosts 4 databases, each set to a 20 GB limit. Logs are expected to not grow beyond 20 GB and should be limited to within 25% to avoid runaway processes. Do not configure more storage than is needed.

The VM that has been migrated is identified as sql3532. Once the VM has been properly reconfigured, the DBA team will reconfigure the OS and database.

The VM should be configured as per KB-3532.

While this VM is being tested, make sure it is the first VM to power up in the event the node it is on goes down.

To maximize performance, ensure as much of the VM as possible will be kept on SSD drives.

Note: The VM does not need to be powered on. The VM should remain on the default container and should not be configured with a volume group. No network is required at this time.

Answer:

Explanation:

See the Explanation below for detailed answer.

Explanation:

Here is the step-by-step solution to reconfigure the sql3532 virtual machine.

This task is performed from the Prism Element interface for the cluster the VM is on (e.g., Cluster 1).

1. Locate and Update the VM

- * From the Prism Element main dashboard, navigate to the VM view.

- * Find the VM named sql3532 in the VM table.

- * Select the checkbox next to sql3532 and click the Update button.

2. Configure HA Priority and Flash Mode

In the "Update VM" dialog, configure the HA and SSD performance settings:

- * HA Priority:

- * Find the VM High Availability section.

- * Select the High Priority radio button. This ensures it is one of the first VMs to power on during an HA event.

- * Flash Mode (SSD Performance):

- * Scroll down to the Flash Mode section.

- * Check the box to Enable Flash Mode. This pins the VM's vDisks to the SSD tier, satisfying the requirement to keep as much of the VM as possible on SSDs, especially since it's on the default (hybrid) container.

3. Reconfigure Disks (per KB-3532)

While still in the "Update VM" dialog, scroll to the Disks section to add the new data and log disks. The key to "best performance" (KB-3532) is to place Data and Logs on separate vSCSI controllers.

- * (The VM already has an OS disk, which we will assume is on scsi.0.)

- * Add Data Disk:

- * Click the + Add New Disk button.

- * Storage Container: default (as required).

- * Size: 80 GB (for the 4 x 20 GB databases).

- * Bus Type: SCSI.

- * Device Index: 1. (This creates a new vSCSI controller, scsi.1, for the data disk).

- * Click Add.

- * Add Log Disk:

- * Click the + Add New Disk button.

- * Storage Container: default (as required).

- * Size: 20 GB.

- * Bus Type: SCSI.

- * Device Index: 2. (This creates a third vSCSI controller, scsi.2, for the log disk).

- * Click Add.

4. Save Configuration

- * After adding the disks and setting HA/Flash Mode, click the main Save button at the bottom of the "Update VM" dialog.

The VM is now configured with high availability, its storage is pinned to SSD, and its disk layout follows performance best practices by separating the OS, Data, and Log I/O paths onto three different controllers.

NEW QUESTION # 35

A company who offers Infrastructure as a Service needs to onboard a new customer. The new customer requires a dedicated cloud plan which tolerates two host failures.

The customer is planning to move current workloads in three waves, with three months between waves starting today:

- * Wave One: 100 VMs

- * Wave Two: 50 VMs

- * Wave Three: 20 VMs

Workload profile is:

- * vCPU: 4

- * vRAM: 16 GB

- * Storage: 200 GB

The service provider company needs to estimate required resources upfront, to accommodate customer requirements, considering also that:

- * limit the number of total nodes

- * selected system vendor HPE

- * selected model DX365-10-G11-NVMe

- * full-flash node (including NVMe + SSD)

* 12 months runway

Create and save the scenario as IaaS and export to the desktop, name the file IaaS-requirement.pdf Note: You must export the PDF to the desktop as IaaS-requirement.pdf to receive any credit.

Answer:

Explanation:

See the Explanation below for detailed answer.

Explanation:

Here is the step-by-step solution to create and export the capacity planning scenario. This task is performed within Prism Central.

1. Navigate to the Planning Dashboard

* From the Prism Central main menu (hamburger icon), navigate to Operations > Planning.

2. Create and Define the Scenario

* Click the + Create Scenario button.

* In the dialog box:

* Scenario Name: IaaS

* Scenario Type: Select New Workload

* Click Create. This will open the scenario editor.

3. Configure Cluster and Runway Settings

* In the "IaaS" scenario editor, find the Runway setting (top left) and set it to 12 Months.

* Find the Cluster configuration tile and click Edit.

* Set Number of Host Failures to Tolerate to 2.

* Click Save.

4. Define the Workload Profile

* In the Workloads section, click the + Add Workload button.

* Select Create a new workload profile.

* Fill in the VM specifications:

* Workload Name: Customer-VM (or similar)

* vCPU per VM: 4

* Memory per VM: 16 GB

* Storage per VM: 200 GB

* Click Add.

5. Set the Workload Growth Plan (Waves)

* You will be returned to the main scenario editor. In the timeline section ("Workload Plan"), add the VMs:

* Wave One (Today):

* Click + Add under the "Today" column.

* Select the Customer-VM profile.

* Enter 100 VMs.

* Click Add.

* Wave Two (3 Months):

* Click the + icon on the timeline itself.

* Set the date to 3 Months from today.

* Click + Add under this new "3 Months" column.

* Select the Customer-VM profile.

* Enter 50 VMs.

* Click Add.

* Wave Three (6 Months):

* Click the + icon on the timeline.

* Set the date to 6 Months from today.

* Click + Add under this new "6 Months" column.

* Select the Customer-VM profile.

* Enter 20 VMs.

* Click Add.

6. Select the Hardware

* In the Hardware configuration tile, click Change Hardware.

* In the "Select Hardware" pane:

* Vendor: Select HPE.

* Model: Search for and select DX365-10-G11-NVMe.

* Note: This model is full-flash by definition, satisfying the requirement.

* Click Done. The planner will recalculate the required nodes.

7. Save and Export the Scenario

- * Click the Save icon (floppy disk) in the top-right corner to save the IaaS scenario.
- * Click the Export icon (arrow pointing down) in the top-right corner.
- * Select PDF from the dropdown menu.
- * A "Save As" dialog will appear.
- * Navigate to the Desktop.
- * Set the file name to IaaS-requirement.pdf.
- * Click Save.

NEW QUESTION # 36

The Infosec team has requested that all operational tasks performed within Cluster 1 be properly logged to include the top 4 severity levels and pushed to their syslog system using highest reliability possible for analysis. This is to include any Virtual Machine changes only.

The Infosec team has also requested that monitor logs for the given RSyslog Server Module be included for now. No extra logs should be included.

No other clusters should connect to this syslog server.

Syslog configuration:

- * Syslog Name: Corp_Syslog
- * Syslog IP: 34.142.155.231
- * Port: TCP/514

Ensure only Cluster 1 is configured to meet these requirements.

Answer:

Explanation:

See the Explanation below for detailed answer.

Explanation:

Here is the step-by-step solution to configure syslog for Cluster 1.

1. Access Cluster 1 Prism Element

Since the requirement is to only configure Cluster 1 and not other clusters, this task must be performed in the Prism Element (PE) interface for Cluster 1.

- * From the main Prism Central dashboard, navigate to Hardware > Clusters.
- * Find Cluster 1 in the list and click its name. This will open the specific Prism Element login page for that cluster.
- * Log in to Cluster 1's Prism Element interface.

2. Add the Syslog Server

- * In the Cluster 1 PE interface, click the gear icon (Settings) in the top-right corner.
- * From the left-hand menu, select Syslog.
- * In the "Remote Syslog Server" section, click the + Add Syslog Server button.
- * Fill in the server details as required:
 - * Name: Corp_Syslog
 - * IP Address: 34.142.155.231
 - * Port: 514
 - * Protocol: TCP (This provides the highest reliability, as requested).
- * Click Save.

3. Configure Log Modules and Severities

Now, we must specify which logs to send to the new server.

- * On the same Syslog settings page, find the "Syslog Configuration" section and click the Configure button (or Modify if a default is present).
- * A dialog box "Select Modules and Levels" will appear.
- * Uncheck all modules to ensure no extra logs are sent.
- * Check the box for the RSyslog Server Module (or rsyslog_forwarder).
- * For this module, check the boxes for the severities: Critical, Warning, and Info.
- * Check the box for the ApiServer module.
- * This module logs all operational tasks and audit trails, which includes all Virtual Machine changes.
- * For this module, check the boxes for the top severity levels: Critical, Warning, and Info.
- * Ensure no other modules (like Stargate, Cerebro, Zookeeper, etc.) are checked.
- * Click Save.

Cluster 1 is now configured to send its audit logs (including VM changes) and its own syslog monitoring logs to the Corp_Syslog server via TCP, fulfilling all security requirements.

Topic 2, Performance Based Questions Set 2

Environment

You have been provisioned a dedicated environment for your assessment which includes the following:

Workstation

- * windows Server 2019

- * All software/tools/etc to perform the required tasks

- * Nutanix Documentation and whitepapers can be found in desktop\files\Documentation

- * Note that the workstation is the system you are currently logged into Nutanix Cluster

- * There are three clusters provided. The connection information for the relevant cluster will be displayed to the high of the question

Please make sure you are working on the correct cluster for each item Please ignore any licensing violations

- * Cluster A is a 3-node cluster with Prism Central 2022.6 where most questions will be performed

- * Cluster B is a one-node cluster and has one syslog item and one security item to perform

- * Cluster D is a one-node cluster with Prism Central 5.17 and has a security policy item to perform Important Notes

- * If the text is too small and hard to read, or you cannot see an of the GUI. you can increase/decrease the zoom of the browser with CTRL + ,and CTRL + (the plus and minus keys) You will be given 3 hours to complete the scenarios for Nutanix NCMCI Once you click the start button below, you will be provided with:

- A Windows desktop A browser page with the scenarios and credentials (Desktop\instructions) Notes for this exam delivery:

The browser can be scaled to Improve visibility and fit all the content on the screen.

- Copy and paste hot-keys will not work Use your mouse for copy and paste.

- The Notes and Feedback tabs for each scenario are to leave notes for yourself or feedback for

- Make sure you are performing tasks on the correct components.

- Changing security or network settings on the wrong component may result in a falling grade.

- Do not change credentials on an component unless you are instructed to.

- All necessary documentation is contained in the Desktop\Files\Documentation directory

NEW QUESTION # 37

.....

Passing the Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) (NCM-MCI-6.10) exam can be a challenging task, especially if you have a tight schedule. You need comprehensive exam questions to prepare well for the exam. In this article, we will introduce you to Pass4SureQuiz Nutanix NCM-MCI-6.10 Exam Questions that offer relevant and reliable exam materials for your Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) (NCM-MCI-6.10) exam preparation.

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Our NCM-MCI-6.10 practice test materials are accurate, valid and latest, It reflects the usefulness of our NCM-MCI-6.10 training materials indirectly, The Pass4SureQuiz acknowledges that Nutanix aspirants are continuously juggling a couple of responsibilities, so NCM-MCI-6.10 questions are ideal for short practise, You also have the flexibility to open the pdf file of the NCM-MCI-6.10 Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) practice test on mobile devices and tablets.

As I mention in my book, Adventure Sports Photography, Creating Dramatic Images NCM-MCI-6.10 in Wild Places, your style what separates you from the pack) will find you, but only after you experiment and explore your own personal photography projects.

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