2024 Provide Updated Nutanix NCS-Core Dumps as Practice Test and PDF [Q112-Q128
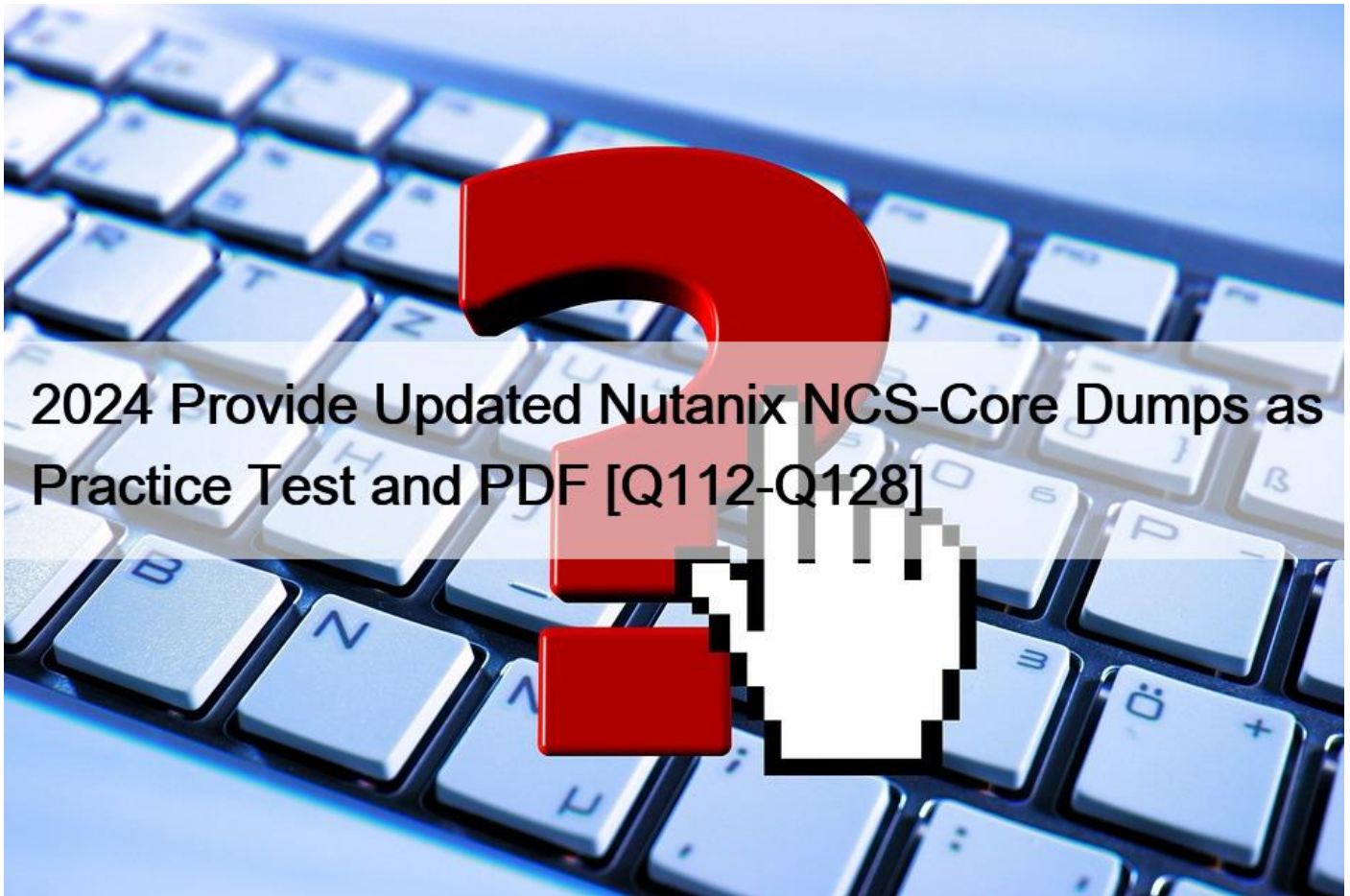

2024 Provide Updated Nutanix NCS-Core Dumps as Practice Test and PDF
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Where can you take the Nutanix NCS-Core Exam:

The NCS-100 exam can be taken at the Pearson VUE Testing Center in some areas. Pearson VUE Testing Centers can be located in different cities and regions throughout the world. Offering testing in more locations enables you to choose the location that works best for you. **Nutanix NCS-Core Dumps** also gives you the most updated information. Development of the test has been kept as similar as possible to the live environment.

NO.112 A consultant is preparing to foundation over a customer network that has the following criteria:

* VLAN segmented network

* VLAN tags on the nodes must be imaged prior to starting the foundation process.

For each node, the consultant has done the following:

* Connected to the Network Crash Cart of the Node

* Logged in using “root” credentials

What should the consultant do next?

* 1. CD to /root/nutanix-network-crashcart/

2. Start Network Utility tool by running: ./network_configuration

3. Change Values

* 1. CD to /home/data/nutanix/nutanix-network-crashcart/

2. Start Network Utility tool by running: ./network_configuration

3. Change Values

* 1. Log into CVM using nutanix@192.168.5.254

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NO.113 An administrator has two clusters: Site A and Site B.

Async DR is configured between the clusters as follows:

* Site A is the Primary Site

* Site B is the Secondary inactive Site, no VMs running

* Site A is fully in Production

* Site B used as Backup/Disaster Recovery

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

How should the administrator accomplish this?

* Click Activate on the Secondary site within the Data Protection Dashboard
* Click Activate on the Secondary site and run deactive NCLI command on Primary site
* Choose Migrate on the Secondary site within the Data Protection Dashboard
* Choose Migrate on the Primary sitewithin the Data Protection Dashboard

Explanation

Ref:https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v510:wc-protection-

3. Select the target protection domain and click the **Migrate** action link.
   The `Migrate Protection Domain` dialog box appears. Select the site where you want to migrate the protection domain. The VMs
   displayed. Click **Learn more** for additional information.

NO.114 For a new AHV cluster installation, a customer has 20 NX-8155 nodes with quad port NICs. The customer wants to meet the following guidelines:

Take advantage of all available 10G links

Achieve maximum throughput per VM

Use of redundant ToR switches

Fastest reconvergence during link failure

How should the load balancing be configured on the host?
* In Prism Element, update the virtual switch uplink configuration to Active-Active with MAC pinning.
* In Prism Element, update the virtual switch uplink configuration to Active-Active.
* Use CLI to add the interfaces to bridge bro on all hosts.
* Use CLI to configure Balance-TCP on bridge bro.
For a configuration that aims to utilize all available 10G links, achieve maximum throughput per VM, and ensure redundancy with fast reconvergence during link failure, the optimal setting would be to configure Balance-TCP on bridge br0. This setting distributes the load across all available network paths based on the TCP session, maximizing the utilization of network interfaces and ensuring redundancy. This approach is particularly effective in environments with multiple network paths and ensures efficient network traffic management.References:

* Nutanix University – NCS-Core 6.8 Learning Path

* The Nutanix Bible, Network Configuration chapter (https://www.nutanixbible.com/)

NO.115 A customer has an ESXi Cluster with two 10GbE NICs on each node with the following requirements:

* Solution must follow Nutanix Best Practices

* Network configuration should be redundant

* A vSphere Standard Switch must be utilized

Which load balancing method should be used?
* Route based on originating port ID
* Route based on physical NIC load
* Route based on IP hash
* Route based on source MAC hash
According to Nutanix best practices for ESXi clusters, using a vSphere Standard Switch with “Route based on originating

port ID” is recommended for load balancing. This method ensures that the same virtual port ID within a vSwitch uses the same uplink from the vSwitch. This load balancing policy provides an even distribution of traffic and redundancy by utilizing both NICs effectively without requiring any specific physical switch configurations, such as EtherChannel or LACP.References: The Nutanix Bible, NCS-Core 6.8 course content, and VMware’s documentation on vSphere Standard Switch load balancing methods.

NO.116 After a consultant runs a bare metal Foundation, the imaging process fails.

In which two locations can the consultant find the logs? (Choose two.)
* On the CVM – /home /nutanix/foundation/logs
* On the Hypervisor – /home/nutanix/foundation/logs
* On the Foundation VM – /home/nutanix/foundation/logs
* View Logs link on the Foundation Imaging progress screen
After a failed bare metal Foundation imaging process, the consultant can find relevant logs in two primary locations: on the Foundation VM at “/home/nutanix/foundation/logs” and via the “View Logs” link available on the Foundation Imaging progress screen. These logs are crucial for diagnosing issues during the imaging process as they provide detailed error messages and operational data.References:

* Nutanix University – NCS-Core 6.8 Learning Path

* The Nutanix Bible, Foundation chapter (https://www.nutanixbible.com/)

NO.117 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.)
* Confirm that the NTP servers are reachable from the CVMs.
* Restart genesis on all CVMs.
* On a CVM. run the command a Hash ntpq -pn.
* Restart the chronos service on all CVMs.
Ref: https://portal.nutanix.com/page/documents/kbs/details?targetId=kA032000000bmjeCAA#Review_ntpq

NO.118 An administrator is responsible for the following Nutanix Enterprise Cloud environment:

* A central datacenter with a 20-node cluster with 1.5PB of storage

* Five remote sites each with a 4-node cluster with 200TB storage

The remote sites are connected to the datacenter via 1GB links with an average latency of 6 ms RTT. What is the minimum RPO the administrator can achieve for this environment?
* 0 minutes
* 15 minutes
* 1 hour

* 6 hours
Ref:

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

NO.119 A consultant is using the Foundation applet to create a cluster. During the process the consultant refreshes the progress bar web page and is concerned when nothing loads.

What should the consultant do to verify that Foundation has completed successfully?
* Return to the Foundation configuration page and start over.
* Update Java on the Foundation VM.
* Connect to any CVM IP address from a web browser.
* Restart the Foundation process.

NO.120 A consultant is imaging a Nutanix cluster with VMware ESXi. Foundation returns an error that the media is not a supported ISO. The consultant checks the whitelist file in Foundation and confirms that the version of the ISO is not listed.

Which three actions should the consultant take to resolve this issue? (Choose three.)
* Replace and save whitelist file in Foundation
* Obtain the MD5 checksum of the ISO and confirm MD5 checksum of ISO is listed.
* Download the iso_whitelist.json from the Support portal.
* Edit the whitelist file in Foundation.
* Restart the imaging process in Foundation.

NO.121 A consultant asks a customer to verify the ToR Switch data port configuration was done according to Nutanix best practices. The switch configuration must simplify future deployments and expansions.

Which two configuration actions will satisfy this requirement? (Choose two.)
* Disable multicast and broadcast flood optimizations.
* Configure the CVM and hypervisor host VLAN as the native.
* Use a tagged VLAN for the CVM and hypervisor hosts.
* Configure the connected switch ports as access.
For a Nutanix cluster configuration that simplifies future deployments and expansions, disabling multicast and broadcast flood optimizations (A) and using a tagged VLAN for the CVM and hypervisor hosts (C) are the best practices. Disabling these optimizations helps in reducing unnecessary network traffic and potential broadcast storms in a growing environment. Using tagged VLANs for CVM and hypervisor hosts ensures proper network segmentation and scalability, allowing for easier management and expansion without reconfiguring the native network setup for each expansion or deployment.References: Nutanix Network Configuration Best Practices, Nutanix Deployment Guide.

NO.122 What are the two most important prerequisites to be validated before the consultant goes onsite? (Choose two.)
* Complete the kickoff call and validate the BOM (Bill of Materials).
* Verify whether the servers have been racked by the customer.
* Validate whether the cluster questionnaire is complete and if the physical switch configurations are complete.
* Identify the point of contact who can provide networking details and switch port information after arriving onsite.
Before going on-site to deploy a Nutanix cluster, the following prerequisites are crucial:

* A. Complete the kickoff call and validate the BOM (Bill of Materials): This ensures that all necessary components are accounted for and any discrepancies or missing items are addressed prior to installation.

* C. Validate whether the cluster questionnaire is complete and if the physical switch configurations are complete: Ensuring that all

relevant customer and network information is obtained and validated is critical to avoid delays or issues during the physical installation and configuration of the cluster.

References:

* Nutanix Bible (https://www.nutanixbible.com), particularly sections on pre-deployment planning and validation.

* Nutanix University: NCS-Core 6.8 Training (https://university.nutanix.com), covering the importance of thorough preparation and documentation before on-site engagements.

NO.123 An administrator needs to migrate workloads from a Nutanix cluster running VMware ESXi to Nutanix AHV.

The migration process needs to be completed in multiple VM groups and support roll back in case any problems are found during user acceptance testing.

Which action should the administrator perform?
* Use Cross Hypervisor DR to replicate VMs from ESXi to AHV
* Use VMware Converter
* Use Nutanix one-click cluster conversion from ESXi to AHV
* Use storage live migration
Ref:

https://next.nutanix.com/installation-configuration-23/convert-existing-nutanix-vmware-cluster-to-nutanix-only-

NO.124 A customer wants to use NIC teaming on an ESXi host using a vSphere Standard Switch configured with the Route based on physical NIC load load balancing option. The customer does not see the option when editing the Teaming and Failover settings for the switch.

How should the consultant resolve this issue?
* Change the load balancing option on the switch.
* Add a vSphere Distributed Switch
* Add another physical NIC to the team.
* Install a vCenter server to manage the switch

NO.125 A customer wants to know the details of network validation testing.

Where can the consultant find this information?
* Handover checklist
* Test plan
* Operations Guides
* As-Built Guide

NO.126 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
Ref:

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

NO.127 A Nutanix cluster is deployed with the following configuration:

* Three four-nodeblocks (A, B, and C)

* All Flash Redundancy Factor 2

What is the effect of simultaneous disk failures on two nodes located in block A?
* VMs are migrated off of the nodes with disk failures.
* Each node with a failed disk is marked as degraded.
* VM read and write operations continue normally.
* VMs on the nodes with failed disks are unable to write data
Explanation

Ref:https://next.nutanix.com/how-it-works-22/redundancy-factor-vs-replication-factor-37486

Dual Disk Failures :

with Replication Factor = 2, we have two copies of each data block. **Also, with a 4TB Disk which is only 1TB utilised, we will have 1TB worth of blocks/data across the cluster** (shorter rebuild times as we factor in the capacity utilised)- plus with AOS proactive disk alerting, so, unless two disks are pulled at the same time, this can be a very rare occurrence of two drives failing at the same time.

NO.128 After uploading a hypervisor ISO during the Foundation process, a consultant sees a message that the MD5 sum for the hypervisor is not found in the Whitelist file.

Which step should the consultant take next to resolve this issue?
* Download the hypervisor ISO again from the vendor website.
* Restart the Foundation process and upload the hypervisor again.
* Download the latest hypervisor ISO whitelist file from Nutanix portal.
* Check the hypervisor version in the Nutanix Compatibility Matrix.

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