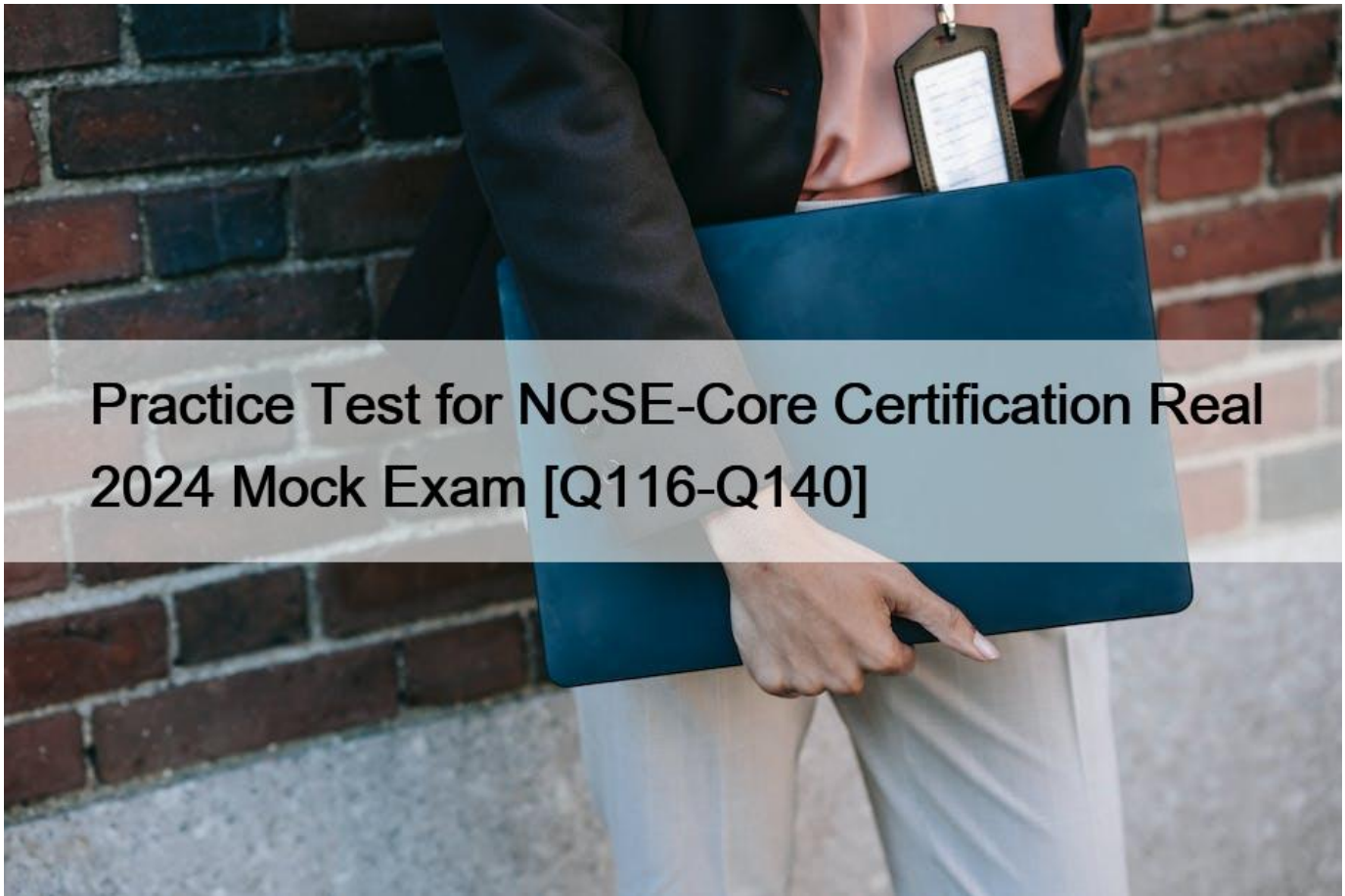


Practice Test for NCSE-Core Certification Real 2024 Mock Exam [Q116-Q140]



Practice Test for NCSE-Core Certification Real 2024 Mock Exam Prepare For Realistic NCSE-Core Dumps PDF - 100% Passing Guarantee

Nutanix Certified Systems Engineer-Core (NCSE-Core) Certification Exam is designed to validate the skills, knowledge, and expertise of IT professionals in deploying, managing, and troubleshooting Nutanix solutions. NCSE-Core exam is intended for individuals who have a solid understanding of virtualization and data center infrastructure and are looking to enhance their career prospects in the field of hyperconverged infrastructure (HCI).

Nutanix Certified Systems Engineer-Core (NCSE-Core) certification exam is designed to validate the skills of IT professionals who specialize in designing, deploying, and managing Nutanix solutions. NCSE-Core certification provides a comprehensive understanding of Nutanix HCI technology, including the ability to perform common Nutanix tasks, troubleshoot common issues, and optimize Nutanix solutions for maximum performance.

NO.116 When reviewing Nutanix cluster upgrades, a customer engineer is concerned that their VM will be forced to repeatedly migrate between nodes Which Nutanix feature allows VMs to remain on a host during an AOS upgrade?

- * CVM Autopathing
- * R3
- * Data Locality
- * Shadow Clones

NO.117 A prospect is evaluating HEP SimpliVity and Nutanix Software-Only on HPE servers and receives FUD from the competition regarding HPE not supporting or officially partnering with Nutanix.

which two items should be leveraged to overcome concern about product supportability? (Choose two)

- * TSAnet
- * SimpliVity competitive briefing
- * NX appliances
- * Nutanix Sizer BOM
- * Nutanix Software Only HCL

NO.118 A customer needs to expand an existing cluster to accommodate workloads. The workloads require 5TB of storage capacity (1.2TB of working set data), 64GB of memory, and 10 physical CPU cores. Their current cluster is configured as follows:

* 4x NX-3060-G5 nodes

* Each node is configured with 2x E5-2620v4 processors (8 Cores each), 128GB RAM, 2x 960GB SSDs, and

4x 2TB HDDs

* The cluster is configured as RF2 and is sized for N+1 availability

* Each CVM is configured with 32GB of memory

To maintain optimal metadata balance and data availability, which configuration should be recommended?

- * 2x NX-3060-G5 – 2x E5-2620v4 processors, 128GB RAM, 2x 960GB SSDs, 4x 2TB HDDs
- * 1x NX-6035C-G5 – 2x E5-2620v4 processors, 128GB RAM, 1x 1920GB SSDs, 5x 4TB HDDs
- * 1x NX-3060-G5 – 2x E5-2620v4 processors, 128GB RAM, 2x 1920GB SSDs, 4x 2TB HDDs
- * 3x NX-1065-G5 – 2x E5-2620v4 processors, 128GB RAM, 1x 1920GB SSDs, 2x 4TB HDDs

NO.119 Customer requests a 30-day POC to test Microsoft SQL Server performance on Nutanix compared to existing infrastructure.

Which action should be taken to avoid the POC?

- * Recommend the customer install Nutanix Community Edition.
- * Offer a 10% discount if the customer issues an order without a POC.
- * Share database related Nutanix case studies with the customer.
- * Recommend X-ray to facilitate performance testing and use the Xtract tool to minimize the migration.

NO.120 Refer to Exhibit.

VM	PowerState	Template	CPUs	Memory GB	Provisioned MB	In Use MB	Datacenter	Cluster
srv01	Powered Off	TRUE	2	2	49403	40961	Primary DC	General
srv02	Powered On	FALSE	2	2	55439	18143	Primary DC	General
srv03	Powered On	FALSE	4	2	53385	34392	Primary DC	General
srv04	Powered On	FALSE	4	2	78010	64664	Primary DC	General
srv05	Powered On	FALSE	2	2	55427	55427	Primary DC	General
srv06	Powered On	FALSE	4	4	139667	108955	Primary DC	General
srv07	Powered On	FALSE	2	2	159913	159913	Primary DC	General
srv08	Powered On	FALSE	2	8	45205	45205	Primary DC	General
srv09	Powered Off	TRUE	8	8	67749	67749	Primary DC	General
srv10	Powered On	FALSE	4	8	119509	12700	Primary DC	General

Host	Datacenter	Cluster	# CPU	Cores Per CPU	Speed MHz	Memory GB
pdcesxi1	Primary DC	Prod	2	4	2399	128
pdcesxi2	Primary DC	Prod	2	4	2399	28

When entering a Raw Input workload into Sizer, what amount of RAM should be used for the entire workload?

- * 32GB
- * 42GB
- * 48GB
- * 64GB

NO.121 A systems engineer is creating a configuration in Sizer for a customer that is building an app for use as an ebooks repository.

The app requires the following two workloads.

1. 50 generic web server VMs, each with 2 vCPUs on a 4:1 vCPU:CPU ratio, 8GB of RAM, and 100GB of storage each
2. A fileserver workload with 80TB of usable storage available, which contains mostly PDFs and pre-compressed data Any reduction in performance of the web servers must be avoided. After entering the workloads with default options, The Sizer outputs the configuration shown in the exhibit.

Which adjustment does the systems engineer need to make to the scenario to meet the performance requirements?



- * Switch to manual and change the CPUs of the node configuration to dual 10 core model.
- * Switch to manual sizing and increase the RAM of the node configuration to 384GB.
- * Increase the vCPU:CPU ratio of the Webserver workload to 6:1
- * Increase the RAM of the webserver workload to 10GB per VM.

NO.122 Which functionality allows workloads to continue to run on the host when an AOS upgrade occurs?

- * Acropolis Dynamic Scheduler
- * High Availability
- * CVM Autopathing
- * Autonomous Extent Store

NO.123 An administrator is managing multiple Windows and Linux VMs connected to Nutanix Volumes. The Linux VMs are experiencing intermittent connectivity issues. The Windows VMs do not experience the same issue.

Which option should the administrator use to resolve this issue?

- * Utilize a separate subnet for the Linux VMs
- * Add additional disks to the Volume Group
- * Set the SCSI timeout value to 60
- * Utilize Jumbo Frames

NO.124 One of a prospective customer's security analysts asks about Nutanix's security functionality. The security analyst asks if Nutanix has any feature or capability that reduces the effort required to assess the security within the Nutanix infrastructure.

Which benefit does Nutanix SCMA provide to this prospect?

- * Automatically updates/patches cluster components to the latest code levels
- * Enables One-Click remediation of non-compliant security settings
- * Notifies the customer of newly discovered/announced vulnerabilities
- * Automates security compliance checking and remediation

NO.125 Which tool could be used to perform a sizing discovery in a general server virtualization environment running both VMware ESXi and Nutanix AHV?

- * MAP
- * Collector
- * AWR
- * RVTools

NO.126 A prospective customer uses both Oracle and Microsoft products for critical applications. The prospect prefers an all-flash array over HCI, because they have made a recent, significant investment in physical servers for their Oracle environment to save on licensing costs.

Which feature should be discussed to address this objection?

- * Hyper-V support
- * Volumes
- * VM Flash Mode
- * AHV

NO.127 An administrator needs to report on any alerts generated by a Nutanix cluster that affected the cluster's availability over the past 10 days.

Which method should be used to locate these events?

- * On the Health dashboard, use the Log Collector to export data based on time stamp.
- * Export the cluster event log to a CSV on the Alerts dashboard.
- * On the Alerts dashboard, filter based on Impact Type and the desired Time Range.
- * Configure an Alert Policy to generate an email with the data on the Health dashboard.

NO.128 A customer needs to increase availability in their Nutanix environment by enabling rack awareness. The current configuration consists of : 1 RF2 cluster consisting of 7 identical NX-3170 1U nodes , All Storage efficiencies are disabled , Which two changes should the systems engineer propose to meet the customer requirements ? (Choose two)

- * Add 1 additional NX-3170 1U node.
- * Add 2 additional NX-3170 1U nodes.
- * Distribute nodes across 2 separate racks.
- * Distribute nodes across 3 separate racks.

NO.129 A systems engineer sizes an environment based on the customer's requirement of N+2 resiliency for the entire cluster. In which two ways could the configuration be changed to meet the customer's requirements ? (Choose Two)

- * Increase the RAM capacity per Node
- * Increase the number of Nodes
- * Increase the CPU capacity per Node
- * Increase the SSD capacity per Node

NO.130 An administrator knows that the disk in a cluster are out of date and a new firmware is available. For security reason, these cluster do not have access to the internet. Which two steps must be completed to update the firmware? (Choose two.)

- * Download the update firmware .tgz file from the Nutanix Portal.
- * Download the dark site bundle and stage it on an internal webserver
- * Configure LCM with a URL to access the firmware bundle.
- * Select Upgrade Software, then select disks and upload the updated firmware.

NO.131 A prospective customer has a requirement for Data-at-Rest-Encryption for all their data.

Which two license options are available to address this requirement? (Choose two)

- * Pro with the Encryption SKU
- * Ultimate
- * Pro
- * Starter with the Encryption SKU

NO.132 An SE is performing a sizing exercise for a large financial institution.

They plan to move 8000 VMs to Nutanix AHV manage those clusters using Prism Central.

Which sizing configuration should the SE use for each Prism Central VM?

- * 2 vCPU / 8gig MEM /200 gig Storage
- * 4 vCPU / 16gig MEM /500 gig Storage
- * 8 vCPU / 32gig MEM /2500 gig Storage
- * 10 vCPU / 48gig MEM /3500 gig Storage

NO.133 An SE determines a POC is necessary for a prospect that has struggled with application downtime due to hypervisor and firmware upgrades that have exceeded planned maintenance windows. The prospect has also struggled with infrastructure resource planning for their growing development environment.

Which two success criteria should the SE include? (Choose two)

- * The solution provides integrated reporting on resource utilization trends.
- * The solution provides automated upgrades without downtime or performance impact.
- * The solution can accelerate VM provisioning through REST APIs.
- * The solution supports provisioning new storage in less than 15 minutes.

NO.134 A prospective customer's migration to their new SAN started six months ago and is still not complete. The VP of IT state the previous migration to the existing SAN took almost eight months to complete. How should the systems engineer describe Nutanix hardware refreshes to this prospective customer

- * New nodes can be added to an existing cluster. and then the old nodes can be removed.
- * Manual hardware refreshes take time, and the systems engineer understands the customer's current situation.
- * With AHV, vMotion between cluster occurs faster than on a SAN-based cluster
- * Setting in AHV node's EVC mode is a very fast process that will shorten the upgrade time

NO.135 A customer needs to image nodes that are either bare metal or require a different hypervisor.

Which Nutanix tool should be used?

- * Era
- * Move
- * Foundation
- * Prism Central

NO.136 During a meeting with a fortune 100 prospect, an SE achieves technical buy-in from the architecture team. The prospect shares that their management recently attended an executive briefing with Cisco and was impressed by the vision presented.

Management is pushing the architecting the architecture team to adopt Cisco as their HCI standard based on a belief that Nutanix is not a major player.

Which resource should an SE highlight?

- * Gartner magic Quadrant
- * ESG Performance Analysis
- * Net Promoter Score
- * Reference architectures

NO.137 An SE needs to size a new project that requires offsite backup but not remote disaster recovery. The prospect requires an RTO of 48 hours, RPO of 4 hours, and the ability to restore from the past 5 days of backups. The prospect's data change rate is 1%.

Option A

Data Protection

Protect VM with other entities

- Yes
- No

Replication Options

- Local Snapshots Only.
- Local and Remote Snapshots.
- DR and both local and remote snapshots.

Remote Cluster

Create New Cluster

Cluster Name

Cluster 2

Snapshot Frequency

240

Level of data Change b/w the snapshots

Medium- 1% Change

Snapshots Retained

30

Option B

Data Protection

Protect VM with other entities

- Yes
- No

Replication Options

- Local Snapshots Only.
- Local and Remote Snapshots.
- DR and both local and remote snapshots.

Remote Cluster

Create New Cluster

Cluster Name

Cluster 2

Snapshot Frequency

1440

Level of data Change b/w the snapshots

Medium- 1% Change

Snapshots Retained

5

Option C

Data Protection

Protect VM with other entities

- Yes
- No

Replication Options

- Local Snapshots Only.
- Local and Remote Snapshots.
- DR and both local and remote snapshots.

Remote Cluster

Create New Cluster

Cluster Name

Cluster 2

Snapshot Frequency

1440

Level of data Change b/w the snapshots

Medium- 1% Change

Snapshots Retained

30

Option D

Data Protection

Protect VM with other entities

- Yes
- No

Replication Options

- Local Snapshots Only.
- Local and Remote Snapshots.
- DR and both local and remote snapshots.

Remote Cluster

Create New Cluster

Cluster Name

Cluster 2

Snapshot Frequency

240

Level of data Change b/w the snapshots

Medium- 1% Change

Snapshots Retained

30

How should the SE configure Sizer for this scenario?

- * Option A
- * Option B
- * Option C
- * Option D

NO.138 Based on their current workload, a customer requests the systems engineer to create a solution that does not exceed 80% CPU utilization when a node is placed in maintenance mode (N+0) When creating the Sizer Scenario in Automatic Mode. how can

the systems engineer accomplish this?

- * Customize the CPU threshold in the scenarios sizing options
- * Use Caostmize to increase the CPU Core count until the CPU utilization is 80%
- * Select a higher-end processor when defining the workload.
- * Modify the solution by adding compute only nodes to the cluster.

NO.139 An HA event occurs, which causes a SQL virtual machine to restart on a different node. What impact will this cation have on Data Locality?

- * Data on adjacent nodes will be localized.
- * VM data will remain as originally written and reads will occur across the network.
- * Active VM data will be localized
- * All VM data will be simultaneously migrated as part of the VM migration.

NO.140 An SE builds a Sizer scenario for SQL server running on Cisco C240 M4 servers.

Using only the Sizer BOM, which two actions can be performed? (Choose two)

- * Reference the HCL for additional SKU's relevant to the configuration.
- * Review budgetary pricing.
- * Review workload sizing details.
- * Build a complete BOM in Cisco commerce Workspace (CCW)

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