

NCM-5.15^{Q&As}

Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) 5.15

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QUESTION 1

An administrator needs to make sure an RF3 cluster can survive a failure of two complete racks without negatively affecting performance. The current cluster configuration consists of the following: 30 All Flash Nodes: distributed 10 nodes per rack across three 42U racks Each node is configured with 20TB usable storage all flash (Cluster Total 600TB Usable) Current cluster utilization is 500TB storage Storage containers have Erasure Coding enabled

Which configuration changes should be made to make sure the cluster meets the requirements?

- A. Expand the cluster to 50 nodes distributed evenly across 5 racks
- B. Expand the cluster to 48 nodes distributed evenly across 6 racks
- C. Expand the cluster to 60 nodes distributed evenly across 6 racks
- D. Expand the cluster to 40 nodes distributed evenly across 5 racks

Correct Answer: C

QUESTION 2

An administrator needs to initiate a new VDI project within a couple of months. Prism Central reports there are no storage resources to accommodate such workloads.

The administrator sees many powered-off VMs and has the authority to delete test VMs powered off at least for 30 days. Test VMs belong to the Test category.

Using Prism Central, which steps are required to identify the correct VMs to be deleted?

- A. Use Capacity Runway to filter by Test and Powered-off VMs
- B. Filter VMs list, choose Test category and Inactive under Efficiency
- C. Create a new Scenario selecting Test VMs. filter by uptime
- D. Create a new Project selecting Test VMs, sorting by power state

Correct Answer: B

QUESTION 3

Microsegmentation was recently enabled in a Nutanix environment. The administrator wants to leverage Prism Central to create a policy that will block all traffic, regardless of direction, between two groups of Vms identified by their category. Which policy should be used to meet this requirement?

- A. A Quarantine Policy
- B. An Isolation Environment Policy

- C. An Application Security Policy
- D. A Whitelist-Based Policy

Correct Answer: B

QUESTION 4

An administrator needs to make sure an RF2 cluster can survive a complete rack failure without negatively effecting workload performance. The current cluster configuration consists of the following:

30 nodes: distributed 10 nodes per rack across three 42U rack

Each nodes is configured with 40TB usable storage all flash (Cluster Total 1.2 PB Usable)

Current cluster utilization is 900TB storage

Which configuration changes should be made to make sure that the cluster meets the requirements?

- A. Expand the cluster by adding 3 additional nodes per rack, 9 nodes total.
- B. Expand the cluster by adding 2 additional nodes per rack, 6 nodes total.
- C. Expand the cluster by adding 9 nodes to a new 42U rack
- D. Expand the cluster by adding 8 nodes to a new 42U rack

Correct Answer: A

QUESTION 5

An administrator deploys Exchange on a Nutanix cluster. The administrator creates two containers with RF2 configuration: One container for Exchange One container for the other VMs

The Exchange VM is experiencing I/O performance issues.

Which changes to Storage Optimization should be used on the Exchange container to enhance I/O performance?

- A. No data reduction
- B. Post process Deduplication only
- C. Inline compression and EC-X
- D. Inline compression and Deduplication

Correct Answer: A

QUESTION 6

An administrator knows that the disks in a cluster are out of date and a new firmware is available. For security reasons, these clusters do not have access to the Internet.

Which two steps must be completed to update the firmware? (Choose two.)

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

Correct Answer: AB

QUESTION 7

While creating an image placement policy on the organizations AOS 5.15-based Nutanix cluster, the administrator wants to ensure there are no restrictions on using the selected images on clusters outside of the identified set. What type of Policy Enforcement must the administrator choose?

- A. Soft
- B. Internal
- C. Hard
- D. External

Correct Answer: A

QUESTION 8

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?

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

Correct Answer: D

QUESTION 9

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.)

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

Correct Answer: AC

QUESTION 10

An organizations Nutanix Cluster is based on VMware vSphere. The cluster is configured to download software updates automatically. The administration needs to verify and eventually upgrade VMware hypervisor via Prism UI. After logging

in to Prism, the administrator receives the message shown:

No available versions for upgrade.

What is causing the current state?

- A. VMware support has expired, so downloads are not available.
- B. vSphere binaries need to be manually uploaded.
- C. The environment is running the latest vSphere version, so no update is required.
- D. The cluster is unable to connect to release api.nutanix-ccm:8D.

Correct Answer: C

QUESTION 11

HOTSPOT

An administrator is configuring an All Flash cluster to support the following workloads: Full clone virtual desktops
Hadoop Write heavy databases

Which correct configuration options should the administrator use to meet the item requirements? For each procedure, indicate whether it is a correct or incorrect procedure that must be configured to meet the item requirements using the drop-down option.

Hot Area:

Answer Area

Procedure

One container with compression and deduplication enabled for full clone virtual desktops

Correct/Incorrect

	▼
Correct	
Incorrect	

One container with compression and Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with compression enabled for heavy databases

	▼
Correct	
Incorrect	

One container with deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with deduplication enabled for Hadoop

	▼
Correct	
Incorrect	

Correct Answer:

Answer Area

Procedure

One container with compression and deduplication enabled for full clone virtual desktops

Correct/Incorrect

	▼
Correct	
Incorrect	

One container with compression and Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with compression enabled for heavy databases

	▼
Correct	
Incorrect	

One container with deduplication enabled for full clone virtual desktops

	▼
Correct	
Incorrect	

One container with Erasure Coding enabled for Hadoop

	▼
Correct	
Incorrect	

One container with deduplication enabled for Hadoop

	▼
Correct	
Incorrect	

QUESTION 12

An administrator is deploying several new application VMs to a Nutanix cluster. The application is very transactional with a 28/72 random, read/write ratio. What should the administrator do?

- A. Add a minimum of four SSDs to each node to ensure all writes go to the SSDs.
- B. Add a minimum of four virtual disks to each VM, and aggregate them on guest OS level.
- C. Add one large SSD to each node and enable Flash Mode for the VMs.
- D. Add one large virtual disk to each VM and use it for all application data.

Correct Answer: B

>Multiple vdisks should be attached (they can be unified with LVM for example) to get more performance from VM's, as Nutanix OS limiting oplog size per vdisk (to avoid "noisy neighbor" problem).

Reference: <https://next.nutanix.com/server-virtualization-27/iops-latency-issue-1168>

QUESTION 13

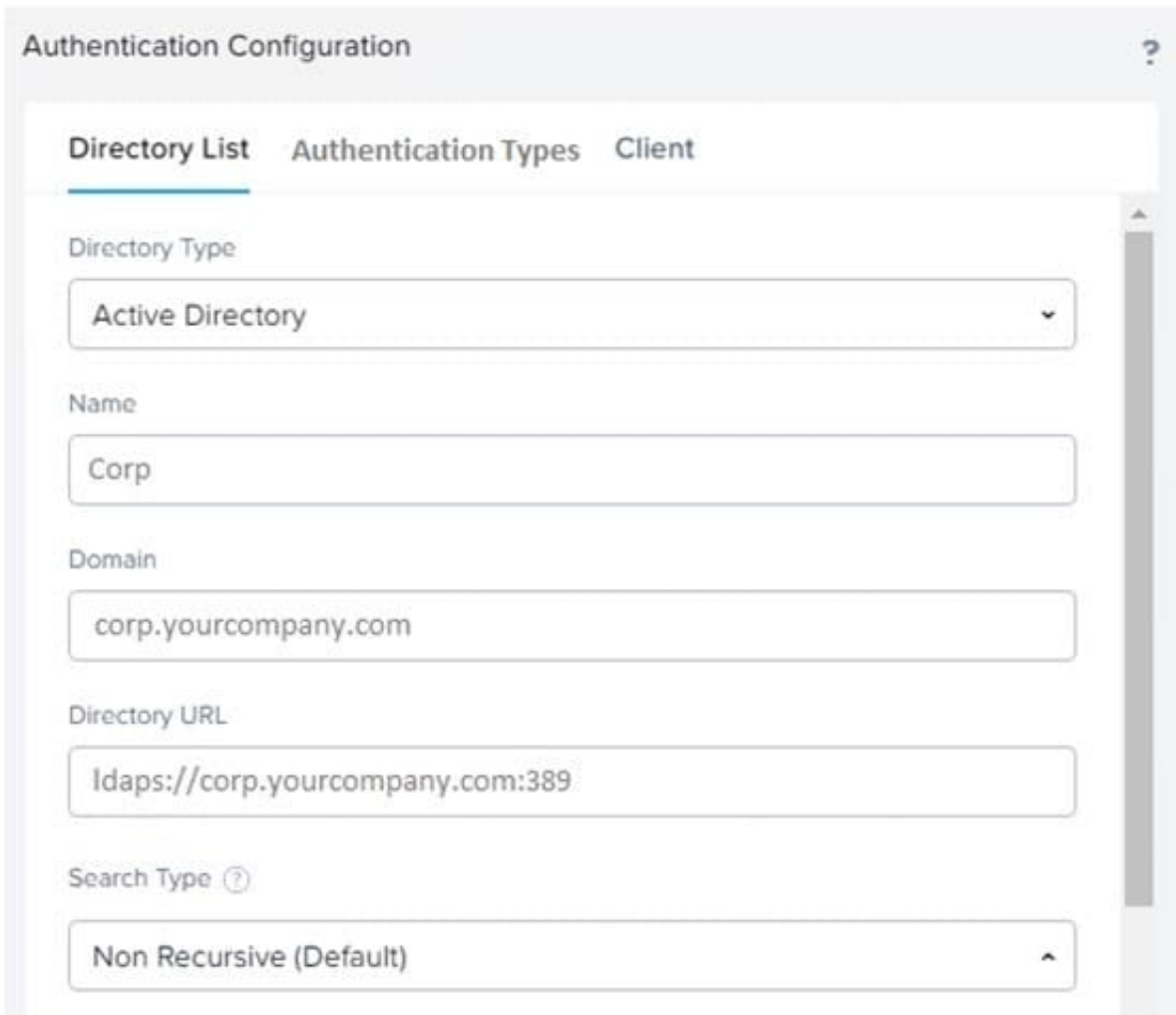
A guest VM is reported to have poor storage performance. It has an I/O profile of 80% read. 20% write, and the HDDs form more than 50% of the read source. What should an administrator do to resolve this issue?

- A. Increase SSD capacity
- B. Increase the OPLOG
- C. Increase the write cache
- D. Use HDDs with higher RPM

Correct Answer: A

QUESTION 14

Refer to the exhibit.



The screenshot shows the 'Authentication Configuration' window with three tabs: 'Directory List', 'Authentication Types', and 'Client'. The 'Directory List' tab is selected. The configuration fields are as follows:

- Directory Type: Active Directory
- Name: Corp
- Domain: corp.yourcompany.com
- Directory URL: ldaps://corp.yourcompany.com:389
- Search Type: Non Recursive (Default)

An administrator configures Active Directory authentication as shown in the exhibit. Upon finishing setup, users are not able to log in. What configuration change should be made to fix this issue?

- A. Change leaps to https
- B. Change the Directory URL to use an IP rather than a name
- C. Change the plct from 389 to 636
- D. Change the Domain to use an IP rather than a name

Correct Answer: C

QUESTION 15

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?

- A. Create a volume group with several virtual disks and attach to the VM

- B. Create a volume group with one virtual disk attached to the VM
- C. Create a virtual disk attached to the VM's PCI interface
- D. Create several virtual disks attached to the VM's virtual SCSI controller

Correct Answer: A

Reference: <https://next.nutanix.com/archive-44/scaling-up-vm-storage-performance-on-ahv-volume-group-load-balancer-28063>

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