



# NCM-MCI<sup>Q&As</sup>

Nutanix Certified Master - Multicloud Infrastructure

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### QUESTION 1

An administrator learns that some security settings in a cluster have been changed. The environment is out of compliance with required policies. Which function should be used to revert any settings that have changed from the defaults and prevent further violations?

- A. Cluster Lockdown with strong password enforcement
- B. Advanced Intrusion Detection Environment (AIDE)
- C. Security Configuration Management Automation (SCMA)
- D. Defense Information Systems Agency STIG enforcement

Correct Answer: C

Ref: <http://myvirtualcloud.net/nutanix-scma-the-security-feature-that-could-save-your-organization/>

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### QUESTION 2

A customer has the following requirement for a Nutanix cluster:

1.

Must support high-performance Nutanix Volumes iSCSI workloads  
Must utilize AHV nodes

2.

Must use 10 GbE interface

How should the customer optimize networking?

- A. Enable Jumbo Frame on just the Host
- B. Convert Cluster to ESXi and enable Jumbo Frame on Host and CVM
- C. Enable Jumbo Frames on just the CVM
- D. Enable the use of Jumbo Frame on Host and CVM

Correct Answer: A

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### QUESTION 3

An administrator of a Nutanix Enterprise Cloud has microsegmentation enabled and a firewall VM installed. The security team notifies the administrator that one of the VMs hosted in the environment has been exhibiting suspect network activity. The administrator wants to isolate the VM from the production network, but must still be able to access it to perform diagnostics.



What should the administrator do to meet the requirement?

- A. Disable the vNIC on the affected VM
- B. Quarantine the VM using the Forensic Method
- C. Create a firewall rule that blocks VM traffic but permits diagnostic access
- D. Create a security policy with a service chain directing that VMs traffic to the firewall VM

Correct Answer: D

Ref <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e000000LleICAG>

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#### QUESTION 4

An administrator is performing a set of routine checks and notes that Prism Central is running with 4 vCPUs and 21 GB RAM. The organizations environment is based on two Nutanix clusters with 170 VMs plus a Legacy vSphere infrastructure. No manual changes have been done on Prism Central VM.

Which configuration justifies the current Prism Central configuration?

- A. Nutanix Move is running on Prism Central to import VMs from the Legacy Cluster.
- B. Prism Central was installed for Large Deployment environments.
- C. Prism Central is running on the legacy duster and requires more RAM.
- D. Nutanix Leap and Nutanix Flow have been enabled on Prism Central

Correct Answer: D

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#### QUESTION 5

An administrator protected a DB VM running on a Nutanix cluster with NearSync Replication, which schedules to repeat every 15 minutes to a second site. The daily change rate is low. During nightly backups, the replication window is missed due to write volume.

Which two options describe the expected behavior? (Choose two.)

- A. NearSync stops working and fails over to the remote site.
- B. Protection Domain transitions back to the hourly schedule.
- C. The Administrator needs to re-enable it manually.
- D. The system continuously tries to get to the NearSync schedule.

Correct Answer: AD

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#### QUESTION 6



An administrator needs to forecast infrastructure requirements for a new program and its associated applications. Prior to the projected start of the new program, all existing applications will be decommissioned. How should the administrator perform this task?

- A. Check the Disregard Existing Workloads radio button in the Runway scenario.
- B. Check the Disregard Existing Nodes radio button in the Runway scenario.
- C. Add up the recovered workloads and manually remove from the Runway configuration.
- D. Power down the workloads during a maintenance window and run the Capacity Runway.

Correct Answer: A

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### QUESTION 7

For several days, an administrator notices the following alerts:

1.

CVM NIC Speed Low Warning Alerts

2.

Warning Alerts of CVM NIC not performing at optimal speed

3.

CVM is disconnected from the network Critical Alert

4.

Network Visualization page shows excessive dropped packets on CVM/Host

Which steps should be taken to determine which problem should be addressed first?

A. 1. Access the Hardware Page to verify resources are available

2.

Analyze all CVM Speed Alerts in the Alerts/Events page

3.

Analyze output for the network and interface properties and connectivity issues

B. 1. Verify Host/CVM connectivity on the Network Visualization page

2.

Use to verify the bridge and bond configuration

3.

Review alerts/events page for the CVM disconnected error



C. 1. Review Alerts page for NIC speed alerts and alert timing

2.

Analyze the genesis.out log file for process failures

3.

Assess the NIC properties in the Network Visualization>; Host Properties page

D. 1. Restart networking services on the CVM

2.

Determine the current configuration of the affected CVM via output

3.

Access the Alerts/Events page for the CVM network connection failures

Correct Answer: B

Ref: <https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e000000CuaDCAS>

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### QUESTION 8

An administrator receives reports about a Nutanix environment. The investigation finds the following;

1.

VMs are experiencing very high latency

2.

Each node is equipped with a single SSD, utilized at 95%

3.

Each node is equipped with three HDDs, utilized at 40% Why are the guest VMs experiencing high latency?

A. CVMs are overwhelmed by disk balancing operations.

B. All VM write operations are going to HDD.

C. All VM read operations are coming from HDD.

D. VMs are unable to perform write operations.

Correct Answer: B

Ref: <https://next.nutanix.com/prism-infrastructure-management-26/disk-space-usage-high-alert-in-prism-38199>

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### QUESTION 9



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 Whitehst-Based Policy

Correct Answer: B

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#### QUESTION 10

An administrator is deploying a three-tier application on a Nutanix Enterprise Cloud consisting of web, application, and database VMs. Traffic between the servers must be limited to specific services/ports. There is an application layer firewall VM deployed on one host in the cluster.

In which way should the administrator meet this requirement?

- A. Create a network for each type of VM, and use policy-based routing to control the traffic flow
- B. Configure a security policy and service chain redirecting the server traffic through the firewall
- C. Separate the web, application and database VMs on to dedicated VLANs
- D. Categorize the VMs in Prism Central and utilize Flow to set a security policy

Correct Answer: D

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#### QUESTION 11

An administrator has two clusters: Site A and Site B. Async DR is configured between the clusters as follows:

1.

Site A is the Primary Site

2.

Site B is the Secondary inactive Site, no VMs running

3.

Site A is fully in Production

4.

Site B used as Backup/Disaster Recovery



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

How should the administrator accomplish this?

- A. Click Activate on the Secondary site within the Data Protection Dashboard
- B. Click Activate on the Secondary site and run deactivate NCLI command on Primary site
- C. Choose Migrate on the Secondary site within the Data Protection Dashboard
- D. Choose Migrate on the Primary site within the Data Protection Dashboard

Correct Answer: D

Ref: <https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v510:wc-protection-domain-failover-wc-t.html>

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### QUESTION 12

An administrator has a 32-node hybrid cluster with CPU, RAM and storage utilization of 80%. A database VM is configured with VM Flash. What is causing this IO latency?

- A. Controller VM is experiencing high CPU ready time.
- B. Curator scans causes by ILM constantly moving data.
- C. VM Flash Mode reduces SSD tier capacity for VMs.
- D. Database VM is experiencing high CPU ready time.

Correct Answer: A

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### QUESTION 13

An administrator receives a notification that storage in a Nutanix cluster is unavailable. The cluster consists of five nodes and is configured with a Fault-Tolerance level of 1 (FT-1). Upon investigation, the administrator finds the following:

1.

All AHV hosts are powered on and the CVMs are running

2.

Nodes A, B, and C are connected to one top of rack switch

3.

Nodes D and E are connected to a second top of rack switch

4.



The cluster status command run on Node A shows that CVM services on nodes D and E are down Which issue is causing the storage outage?

- A. The default gateway for the CVMs and AHV hosts is down.
- B. The switch connecting Nodes D and E is down.
- C. The genesis process is down on both Nodes D and E.
- D. Nodes D and E are in maintenance mode.

Correct Answer: C

<https://hyperhci.com/2020/07/29/nutanix-cluster-services-down-troubleshooting/>

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#### QUESTION 14

A customer recently set up Async Replication between Site A and Site B. The customer wants to conduct a planned failover and clicks Activate on Site B.

The customer then runs the following command on Site A:

```
ncli pd deactivate_and__destroy_vms name=
```

What does this do to the customer environment?

- A. VMs get deleted from Site B. and the protection domain is now Active.
- B. VMs are powered off on Site A and must be manually powered on at Site B.
- C. VMs get deleted from Site A and the protection domain is no longer active.
- D. Customer must then manually power off VMs at Site A and power them on at Site B.

Correct Answer: C

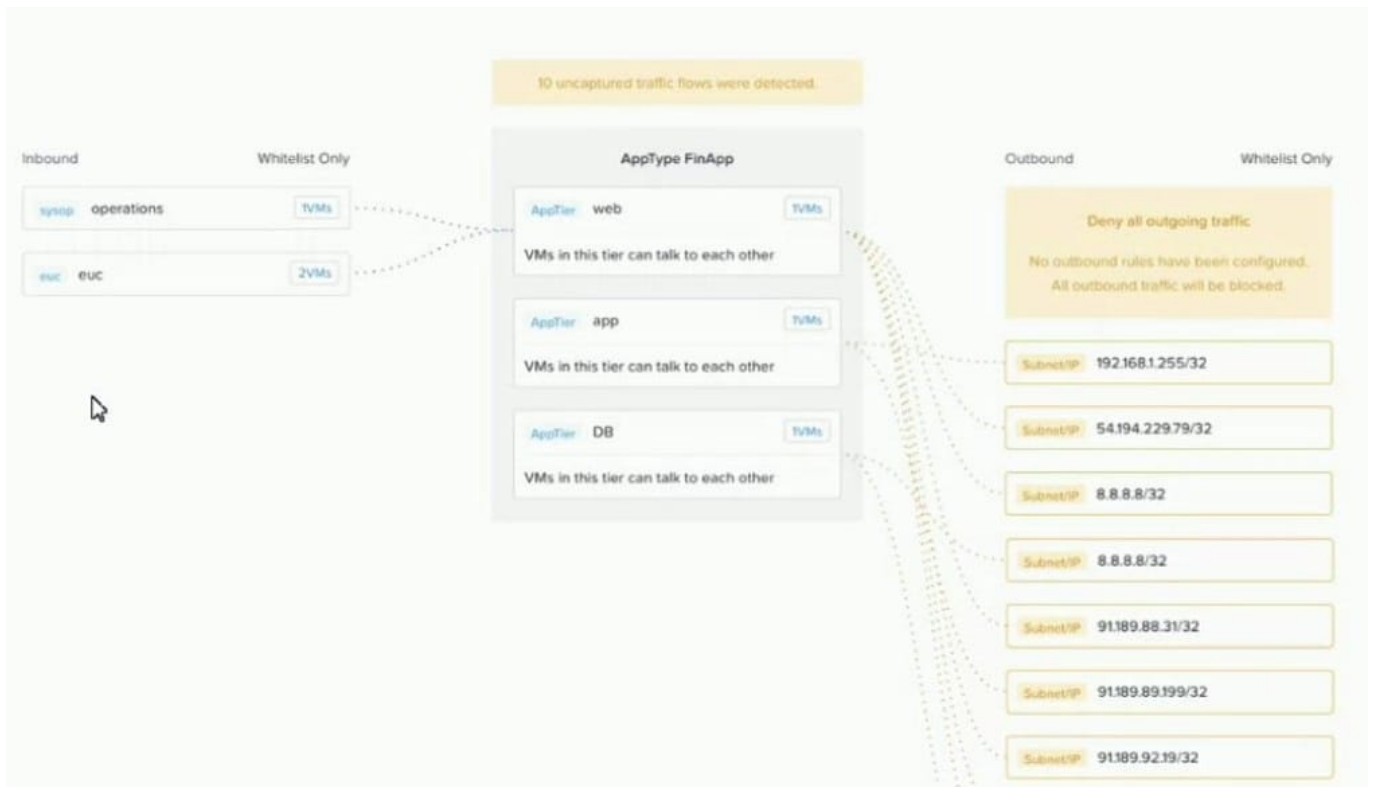
[https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5\\_10:wc-protection-domain-failback-disaster.html](https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5_10:wc-protection-domain-failback-disaster.html)

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#### QUESTION 15

Refer to the exhibit.





An administrator creates a security policy that isolates their financial application from accessing the Internet. When viewing the policy in Prism Central, several connections from the application are outbound to the Internet. What is causing this issue with the policy?

- A. The 0.0.0.0 address was not specified in the outbound rule.
- B. The blocked connections are illustrated for information only.
- C. The Activate box was not checked in the rule, so it is not enforcing.
- D. The policy has been left in monitor mode instead of enforcing mode.

Correct Answer: B

<https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v510:mul-security-policy-management-pc-c.html>

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