

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

Nutanix Certified Master - Multicloud Infrastructure

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**QUESTION 1**

An administrator receives an alert in Prism indicating that interface eth2, on an AHV host is receiving many CRC errors. After toggging into the problematic host, the following command is run to show the indicated output:

```
[root@AHV-Host ~]# ethtool -S eth2 | grep error
rx_errors: 0
tx_errors: 0
rx_over_errors: 0
rx_crc_errors: 478593
rx_frame_errors: 0
rx_fifo_errors: 0
rx_missed_errors: 0
tx_aborted_errors: 0
tx_carrier_errors: 0
tx_fifo_errors: 0
tx_heartbeat_errors: 0
rx_long_length_errors: 0
rx_short_length_errors: 0
rx_csum_offload_errors: 0
```

What is causing this issue?

- A. Incorrect link speeds on the switch
- B. The interface is incorrectly configured with Jumbo Frames
- C. A misconfigured bond
- D. A physical layer network problem

Correct Answer: B

Ref: rx\_crc\_errors are caused either by faults in layer 1 (in the past, we have seen failed twinax cables and incorrect types of fibre being used), or issues with jumbo frames on the network. In an environment with 10 Gig switches that use cut-through forwarding (Cisco Nexus, Arista, Cisco devices using IOS default to Store and Forward switching), any packets that come into the switch will get forwarded out the destination interface once the switch has read the destination MAC address. If that packet has an MTU over what is configured on the interface, it will cut off the packet at the designated MTU, causing the server to receive a malformed packet, which will throw a CRC error. If you have a layer 1 issue, you will see rx\_crc\_errors, not on all but one or two nodes.

**QUESTION 2**

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 3**

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 4**

An administrator receives reports that VDI desktop performance in an 8-node Nutanix VDI environment is poor. Opening applications takes between 1 and 2 minutes. When investigating the issue, the following conditions are found:

- 1.

Cluster memory utilization: 80%

2.

Cluster SSD utilization: 70%

3.

Average VM CPU Wait Time: 11%

4.

CVM CPU utilization: 75%

Which action should be taken to improve VDI performance?

- A. Increase the amount of SSD storage in the cluster.
- B. Add memory to the nodes in the cluster.
- C. Add CPU resources to the cluster.
- D. Increase the number of vCPU cores allocated to the CVM.

Correct Answer: C

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## QUESTION 5

### HOTSPOT

A system administrator needs to shut down an AHV node in a Nutanix cluster without causing service disruption. The administrator checks data resiliency and verifies that the cluster can tolerate a node down. Which three steps should the administrator perform next? (Choose three.)

Hot Area:

## Procedure

Put the host in maintenance mode

## Step

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Shut down the CVM

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Shut down the node

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Power off the node

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Allow VMs to start on the remaining nodes

- Step 1 ▾
- Step 2 ▾
- Step 3 ▾
- Invalid Step ▾

Correct Answer:

1 allow vms 2 sd CVM 3 sd node

## Procedure

Put the host in maintenance mode

## Step

- Step 1 ▼
- Step 2 ▼
- Step 3 ▼
- Invalid Step ▼

Shut down the CVM

- Step 1 ▼
- Step 2 ▼
- Step 3 ▼
- Invalid Step ▼

Shut down the node

- Step 1 ▼
- Step 2 ▼
- Step 3 ▼
- Invalid Step ▼

Power off the node

- Step 1 ▼
- Step 2 ▼
- Step 3 ▼
- Invalid Step ▼

Allow VMs to start on the remaining nodes

- Step 1 ▼
- Step 2 ▼
- Step 3 ▼
- Invalid Step ▼

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