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QUESTION 1

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

Ref: https://next.nutanix.com/community-blog-40/scaling-up-vm-storage-performance-on-ahv-volume-group-load-balancer-28063

QUESTION 2

An administrator receives an alert in Prism indicating that interface eth2, on an AHV host is receiving many CRC errors. After togging 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 3

A customer needs a DR solution designed around the following requirements:

1.

There are 8 ms of latency between Sites A and B

2.

The administrator needs the shortest RPO/RTO possible

3.

Application consistent snapshots are required

4.

Use of Nutanix VSS

Which Data Protection Method should be used?

A. Async

B. Metro Availability

C. Near Sync

D. Cloud Connect

Correct Answer: C

Ref: https://portal.nutanix.com/page/documents/details?targetId=Prism-Element-Data-Protection-Guide-v5_18:wc-dr-application-consistent-snapshots-wc-r.html

QUESTION 4

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:

1.

The NTP servers are configured in Prism

2.

The time on all CVMs is the same

3.

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.)

A. Confirm that the NTP servers are reachable from the CVMs.

B. Restart genesis on all CVMs.

C. On a CVM. run the command a Hash ntpq-pn.

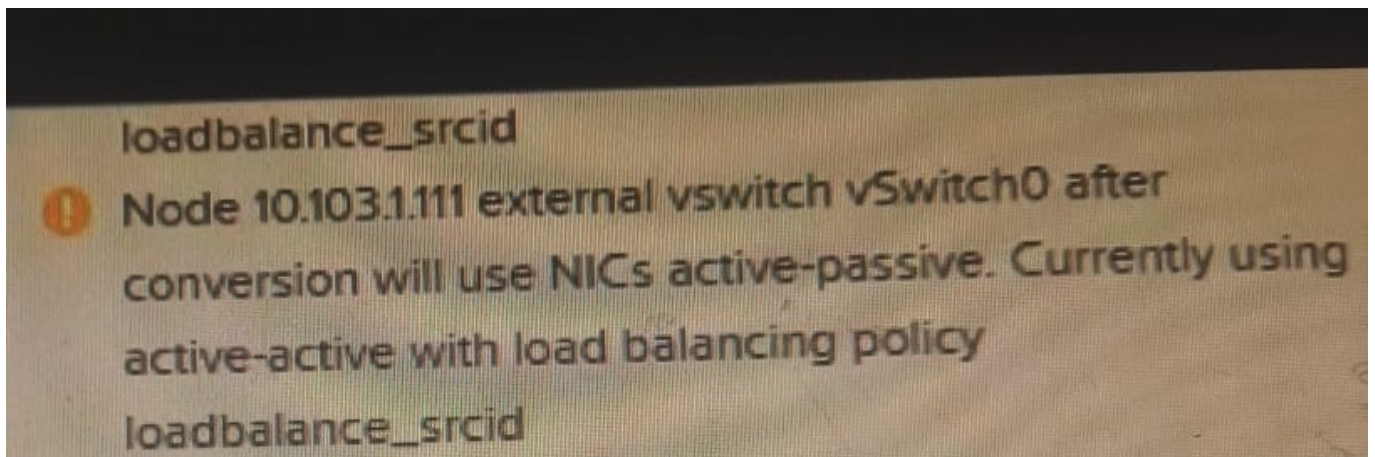D. Restart the chronos service on all CVMs.

Correct Answer: AC

Ref:

https://portal.nutanix.com/page/documents/kbs/details?targetId=kA032000000bmjeCAA#R eview_ntpq

QUESTION 5

Refer to the exhibit.

An administrator receive the warning massages shown in the exhibit while validating cluster conversion from EXSi to

AHV. What should the administrator do to address this warning in v Center Server?

A. Keep active adapters od different speeds as active standby

B. Remove adapters that are active but not homogeneous.

C. Keep homogeneous adapter as active and standby

D. Remove the standby adapters under Teaming and Failover.

Correct Answer: C

QUESTION 6

The networking team makes changes to the Top of Rack switches to which the Nutanix cluster are attached. A few VMs are able to communicate with each other on the same node but are unable to connect to other parts of the network. What is the likely cause of this issue?

A. There is a VLAN misconfiguration on the VMs.

B. The vNIC port is disconnected on the affected VMs.

C. There is a VLAN misconfiguration on the switch.

D. Jumbo Frame are misconfigured across ports.

Correct Answer: C

QUESTION 7

A customer has NearSync configured. When the administrator tries to restore a snapshot from 3 minutes ago, it is not available. The snapshots are happening at 15-minute intervals instead of at the 5-minute configured interval. When the protection domain was initially set up, the snapshots were happening at the expected 5-minute interval.

What should the customer do to enable the snapshots to happen at the expected interval?

A. Utilize Metro Availability to meet this requirement

B. Change the protection domain to use Async DR

C. Fix a connectivity issue because the protection domain reverted to Async

D. Configure the protection domain to take snapshots on 15-minute intervals

Correct Answer: C

QUESTION 8

Refer to the exhibit.
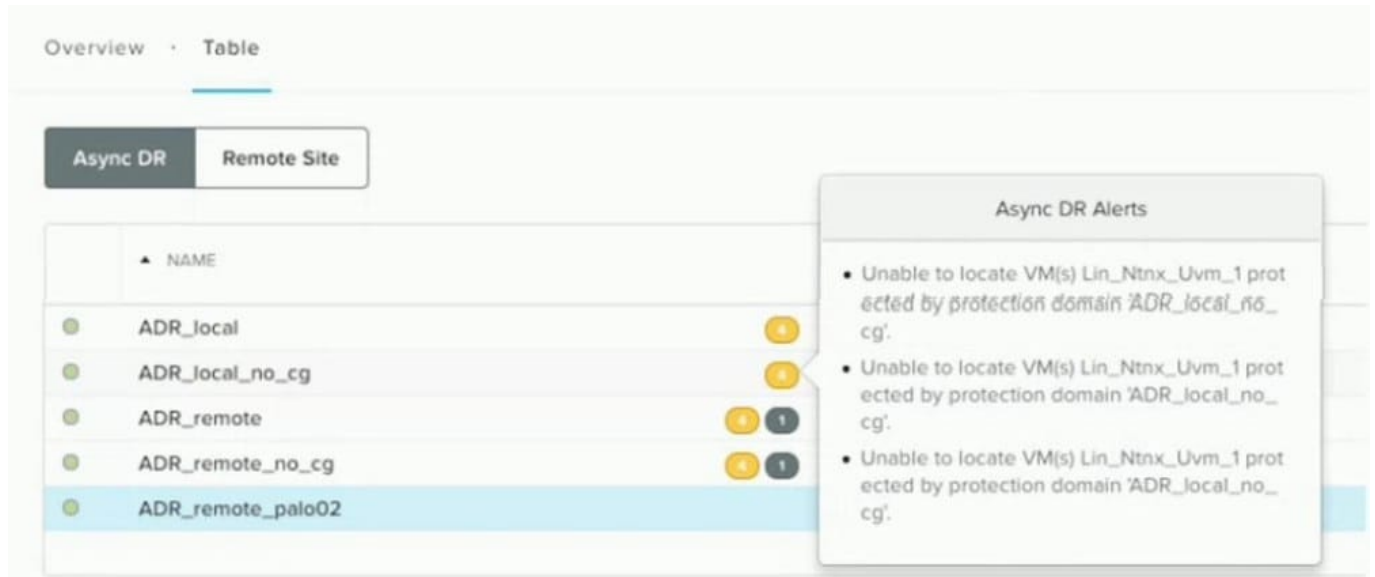
After performing ESXi to AHV conversion on a cluster, the alerts shown in the exhibit display on Prism. What should the administrator do to resolve this issue efficiently?

A. Remove the VMs. create a new Protection Domain, and add VMs to it

B. Remove VMs from the Protection Domain and add them back in.

C. Delete the Protection Domain, create a new Protection Domain, and add the VMs to it

D. Create a new Protection Domain and add the VMs to rt.

Correct Answer: B

QUESTION 9

An administrator is deploying a new application to a Nutanix Enterprise Cloud. The application requires a security to prevent unauthorized access. The application also uses many non-standard ports that are unique to it. Security should not be changed for existing applications.

What should the administrator do to meet these requirement?

A. Use existing categories for the VMs. and create new security policies to use the existing categories.

B. Use existing categories for the VMs and modify existing security policies to include the specific port.

C. Create new categories for the VMs, and create new security policies that include the new categories.

D. Create new categories for the VMs, and modify existing security policies to include the new categories.

Correct Answer: C

QUESTION 10

An administrator needs to replace the self-signed certificate on a cluster. Which two requirements must be met as part

of the process? (Choose two.)

A. The cluster administrator must restart the interface gateway.

B. The signed, intermediate and root certificates are chained.

C. The existing certificate must be deleted prior to replacement.

D. The imported files for the custom certificate must be PEM encoded.

Correct Answer: BD

Ref: https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v55:mul-security-ssl-certificate-pc-t.html
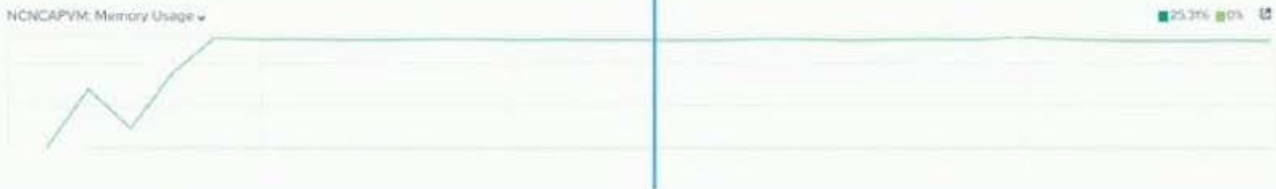

QUESTION 11

Refer to the exhibits.

An administrator has reported that a new VM is not performing well.

Prism Element, VM Table Metrics

VM Name: NCNCAPVM
Cores: 4
Memory Capacity: 8GiB
Storage: 9.86 GiB / 40 GiB
CPU Usage: 25.85%
Memory Usage: 0%
Controller Read IOPS: 0
Controller Write IOPS: 0
Controller I/O Bandwidth: 13 KBps
Controller Avg IO Latency: 2.33ms
Backup ...: Yes
Flash Mode: No

Prism Element, Analysis Chart

Hypervisor CPU Usage: 25%
Hypervisor CPU Ready Time: 0%

VM Task Manager

Task Manager

File   Options   View

Processes | Performance | Users | Details | Services

CPU
25% 2.80 GHz

Memory
0.8/8.0 GB (10%)

Ethernet
S: 0 Kbps R: 0 Kbps

CPU   Intel(R) Xeon(R) CPU E5-2680 v2 @ 2.80GHz

% Utilization   100%

60 seconds   0

Utilization	Speed		Maximum speed:	2.80 GHz
25%	2.80 GHz		Sockets:	4
			Virtual processors:	4
Processes	Threads	Handles	Virtual machine:	Yes
30	354	9306	L1 cache:	N/A

After analyzing the information presented in the exhibits, which option shows the best conclusion regarding this workload?

A. VM is CPU constrained since the hypervisor cannot provide the required resources.

B. VM is CPU constrained because more CPU needs to be added to the VM.

C. VM is Storage constrained, because the workload is waiting for storage access.

D. VM is not CPU constrained, because the VM is not running, a multithreaded application.

Correct Answer: C

QUESTION 12

An administrator is deploying an application using Nutanix Volumes. After configuring the volume group and connecting the guest\\\'s iSCSI initiator to the volume group, they begin performance testing.

The administrator learns that performance on the virtual disk attached to the iSCSI initiator is far less than that of a virtual disk connected directly to the VM.

Which situation is causing this condition?

A. The VM\\\'s iSCSI traffic is being routed to the data services IP subnet

B. The performance test is generating small block random 10.

C. The duster data services IP address is a bottleneck, shared with other iSCSI traffic

D. Data Locality ensures that VM attached disks are always faster than iSCSI volumes.

Correct Answer: C

QUESTION 13

A CEO asks the IT administrator to provide a list of required resources to protect current workloads and the two new SQL servers from a disaster. The Nutanix environment is managed by Prism Central. Which option explains how to meet the CEO\\\'s request?

A. In Capacity Runway, select Optimize Resources and select all VMs that must be protected.

B. Create a new project and assign the VMs to it to get compute and storage requirements.

C. Create a new scenario based on a new cluster based on a VM Profile and select Recommend.

D. Create a new Recovery policy by selecting the VM that needs to be protected and get hardware requirements.

Correct Answer: D

QUESTION 14

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

QUESTION 15

An administrator finds that home shares cannot be configured in a new Files 3.5 deployment. Why is this happening?

A. NFS default access is set to Read Only.

B. Multi-protocol access is not configured.

C. Access Based Enumeration is not enabled.

D. The system is deployed as a single FSVM.

Correct Answer: D

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