NCM-MCI-5.15 ^{Q&As}

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

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QUESTION 1

Over the period of 2 to 3 weeks, a cluster displays the following:

Periods where Warning Alerts of memory usage over 75% are asserted Periods where Critical Warnings of memory usage over 90% are asserted Periods of slow of frozen VDI desktops have caused work stoppage or slowdown VDI clones have periodically not powered up when called, causing work stoppage

Which steps should be used to prioritize the administrator\\'s troubleshooting efforts?

A. Assess resource health on Hardware page Review the Analysis page for memory usage demand Determine the VDI workload-to-host affinity across the cluster

B. Analyze Alert Pages for a root cause of memory problem Analyze VM table page to access the VM functionality Analyze the VDI Clone properties for possible VDI Workload stress

C. Check Analysis page for CPU demand Verify VDI workload property for memory subscription Review the Hardware page to determine if the cluster has sufficient RAM

D. Review Analysis Page for memory use pattern Alert with VDI workload demand Analyze current and future workload in the Capacity Runaway tab for sufficient resources

Correct Answer: D

QUESTION 2

A VM does not have enough resources for the demand, which leads to performance bottlenecks. The VM is exhibiting one or more of following baseline values, based on the past 30 days:

CPU usage>; 90% (moderate), 95% (high)

CPU ready time>; 5%, 10%

Memory usage>; 90%, 95%

Memory swap rate>; 0 Kbps (no moderate value)

Which type of VM is being described?

A. Constrained VM

B. Bully VM

C. Inactive VM

D. Over-provisioned VM

Correct Answer: A

QUESTION 3

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 4

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: What is causing this issue?

DATA RESILIENCY LEVELS FOR RACK FAULT TOLERANCE

Table 1. Data Resiliency Levels The following table shows the level of data resiliency (simultaneous failure) provided for the following combinations of replication factor, minimum number of nodes, minimum number of blocks, and minimum number of racks.

Fault Domain	Replication Factor	Minimum Number of Nodes	Minimum Number of Block	Minimum Number of Racks	Data Resiliency
Node	2	3*	1	1	1 node or 1 disk failure
	3	5*	2	1	2 nodes or 2 disk failures
Block	2	3	3*	1	1 node or 1 block or 1 disk failure
	3	5	5*	1	2 nodes or 2 blocks or 2 disk failures
Rack	2	3	3	3*	1 node or 1 block or 1 rack or 1 disk
	3	5	5	5*	2 nodes or 2 blocks or 2 racks or 2 disks

* Erasure Coding with Rack Awareness - Erasure coding is supported on a rack aware cluster. You can enable erasure coding on new containers in rack aware clusters provided certain minimums are met that are shown in the table above.

```
[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
```

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

Explanation: 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 5

A new Nutanix cluster is ready for production on a remote site with no IT staff. Changes to the infrastructure will cost money and probably cause a cluster stop. The administrator needs to perform a health check on the environment that should include:

Network connectivity checks Network performance status Storage performance status

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Which tool should be used to perform this test?

A. X-Ray

B. clurator_cli

C. NCC

D. diagnostic, py

Correct Answer: C