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QUESTION 1

A consultant is onsite with a customer running Foundation VM (FVM) and discovers that there is no connectivity between the FVM and their laptop. The consultant verifies the following:

*

The consultant's laptop and Nutanix nodes are plugged into a flat switch.

*

The laptop, switch and nodes are plugged into supported power supplies.

*

The laptop network adapters and FVM are configured with their corresponding IP addresses. What is the cause for the connectivity failure to the FVM?

A.

The switch is not plugged into the power supply.

B.

Desktop Firewall is blocking ping requests.

C.

Network cables are not connected.

D.

Laptop WiFi configured to use DHCP.

Correct Answer: B

QUESTION 2

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 or 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 3

A customer has a Nutanix cluster with 10Gb connectivity via switch fabric extenders. The administrator receives NCC health check errors of latency greater than 200ms. Which action should the administrator take to resolve the NCC errors?

- A. Replace the switch fabric extenders with 10G line rate switches
- B. Upgrade NCC and increase the CVM memory by 4Gb
- C. Add 2 additional 10G uplinks from the switch fabric extenders per node
- D. Upgrade NCC and increase the vCPU of the CVM

Correct Answer: A

Explanation: Ref:<https://portal.nutanix.com/page/documents/details?targetId=System-Specs-G6-Single-Node:set-block-connect-c.html>

- Nutanix does not recommend the use of Fabric Extenders (FEX) or similar technologies for production use cases. While initial, low-load implementations might run smoothly with such technologies, poor performance, VM lockups, and other issues might occur as implementations scale upward (see Knowledge Base article [KB1612](#)). Nutanix recommends the use of 10Gbps, line-rate, non-blocking switches with larger buffers for production workloads.
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QUESTION 4

An administrator migrates a VM onto a new Nutanix cluster. After the migration, the administrator observes the following conditions:

Cluster memory utilization: 64% Cluster CPU utilization: 19% Cluster storage utilization: 32% Average VM CPU utilization: 25% Average VM CPU ready%: 24% Average VM memory utilization: 60%

Which two changes should the administrator make to improve VM performance? (Choose two.)

- A. Add more memory to the VMs.
- B. Reduce the number of vCPUs assigned to VMs.
- C. Replace high core count CPUs with high clock rate CPUs. (also can be but is physical invas)
- D. Reduce the number of VMs on the hosts.

Correct Answer: BD

Explanation: ref <http://www.joshodgers.com/tag/cpu-ready/>



QUESTION 5

A consultant is planning a new cluster installation and needs to locate the Shared IPMI port for each of the specific nodes that the customer has bought. Which Support Portal location contains the document that would identify the port?

- A. Solutions Documentation
- B. Hardware Replacement Documentation
- C. Software Documentation
- D. Knowledge Base

Correct Answer: B

QUESTION 6

HOTSPOT

An administrator is configuring an All Flash cluster to support the following workloads:

Full clone virtual desktops

Hadoop

Write heavy databases

Which three correct configuration options should the administrator use to meet the item requirements? (Choose three.)

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:



Procedure

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

One container with compression and Erasure Coding enabled for Hadoop

One container with compression enabled for heavy databases

One container with deduplication enabled for full clone virtual desktops

One container with Erasure Coding enabled for Hadoop

One container with deduplication enabled for Hadoop

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Correct Answer:



Procedure

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

One container with compression and Erasure Coding enabled for Hadoop

One container with compression enabled for heavy databases

One container with deduplication enabled for full clone virtual desktops

One container with Erasure Coding enabled for Hadoop

One container with deduplication enabled for Hadoop

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QUESTION 7

After the migration, some SQL queries take longer to execute than prior to migration.

The following SQL best practices were applied while creating the SQL VM on Nutanix:

vDisks per SQL server VM Database and Log files on separate vDisk

TempDB database drives and 1 TempDB log drive

What should the administrator do to improve the SQL Server performance?

- A. Redistribute existing data by creating additional database file and enable autogrowth
- B. Create multiple TempDB data files and enable autogrowth



- C. Create multiple SQL log files and disable autogrowth
- D. Redistribute existing data by creating additional database files and disable autogrowth

Correct Answer: A

QUESTION 8

A consultant needs to verify the make and model of the systems that will be imaged with Foundation. The consultant does not have the Bill of Materials (BOM) available to review. When should the consultant verify the make and model to prepare for the cluster deployment?

- A. During the Foundation Process
- B. While conducting the Tech Review Call
- C. Upon arriving on-site
- D. When reviewing the Statement of Work (SOW)

Correct Answer: A

QUESTION 9

An administrator is deploying Nutanix Files 3.5 and needs to configure the sizing of the FSVMs for an increased number of concurrent SMB connections over the default 750. What should the administrator do?

- A. Deploy the Files VMs, power down the three FSVMs, change the CPU and RAM via Prism, and then power the three FSVMs back up
- B. During installation, click Customize on the File Server Installation screen, change the number of connections, and finish the installation
- C. Complete the default installation, change the CPU and RAM in Prism, and then log into the File Server dashboard and change the Filer Server Properties
- D. During installation, input the correct number of connections in the File Server Installation screen and complete the installation

Correct Answer: B

QUESTION 10

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

Explanation: Ref:

<https://portal.nutanix.com/page/documents/solutions/details?targetId=BP-2126-SAS-on-Nutanix:BP-2126-SAS-on-Nutanix>

QUESTION 11

A consultant is deploying a Nutanix cluster at a customer location. The consultant will be deploying the latest AOS along with the latest Nutanix hardware. Which three references should the consultant review prior to this installation? (Choose three.)

- A. Release Notes
- B. Software Product Interoperability
- C. Field and Security Advisories
- D. End-Of-Life (EOL) Information
- E. Acropolis Advanced Administration Guide

Correct Answer: ABC

QUESTION 12

After installation, network ports are properly configured with the default active-backup bonding.

One 10GbE port goes to switch 1. Another 10GbE port goes to switch 2. A consultant tests failover by manually pulling one of the cables and notices it is taking too much time to failover, which is causing excessive packet loss.

What should the consultant enable to resolve this issue?

- A. LACP on switch
- B. PAgP
- C. Portfast
- D. Jumbo frames

Correct Answer: C

QUESTION 13



While trying to upgrade AOS in a cluster, a consultant receives a warning message that there are two powered-on VMs that need to be powered off for the upgrade to proceed.

What would cause this warning to be issued?

- A. Upgrading a single-node cluster requires the VMs to be shut down.
- B. Upgrading a two-node cluster requires the VMs to be shut down.
- C. There are not enough resources left in the single-node cluster.
- D. There are not enough resources left in the two-node cluster.

Correct Answer: A

QUESTION 14

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 15

An administrator configure Active Directory (AD) authentication for their Nutanix environment. When login in using an AD user account, the login process takes more than one minute to complete. No delay occurs when logging a local account. What should the administrator confirm to resolve this issue?

- A. The user search base for the group is configured correctly
- B. The domain controller being used is configured as a global catalog server.
- C. Active directory lookups are configured to use Non-Recursive mode.
- D. The service Account Username is correct for the domain.

Correct Answer: C
