



Free Questions for NCS-Core

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Question 1

Question Type: MultipleChoice

From a hypervisor, which IP address should the consultant use to connect to the locally tossed on?

Options:

- A- 192.168.5.254
- B- 172.16.19.2
- C- 10.100.5.5
- D- 192.168.1.254



Answer:

A

Explanation:

When configuring network settings for a hypervisor or accessing local services hosted on it, the IP address must be reachable from the network configuration you are currently using. Given the generic nature of the options, the correct choice typically depends on the subnet used for management purposes, which often uses a standard private address. '192.168.5.254' is a common choice for local network configurations and is likely set up as the gateway or a primary network interface on the hypervisor. Reference:

Nutanix University - NCS-Core 6.8 Learning Path

[The Nutanix Bible, Network Configuration chapter \(https://www.nutanixbible.com/\)](https://www.nutanixbible.com/)



Question 2

Question Type: MultipleChoice

A consultant creates a four-node AHV cluster with two 1GbE (eth0, etc1) and two 10GbE (eth2, eth3) NICs per node. The 1GbE NICs will not be placed into service, but the customer wants the network to be preconfigured for their eventual use.

The consultant removes the 1GbE NIC from the default bond and creates a second bridge(br1), but is unable to add the 1GbE NIC using the below command:

```
manage_ovs --bridge_name br1 --interfaces 1g --bond_name br1-up update_uplinks
```

Which parameter is missing from this command?

Options:

- A- --bond_duplex full
- B- --require_link=false
- C- --interfaces eth0
- D- --bridge_duplex full

Answer:

C

Explanation:

The `manage_ovs` command requires specific interface names to be added or configured under a bridge or bond. In the provided scenario, the command failed because it generically referred to '1g' which is not a recognized interface or valid parameter syntax. For the command to work correctly, each individual interface name must be specified. In this case, the missing parameter was the specific interface name 'eth0' for one of the 1GbE NICs. The corrected command should explicitly include the NIC names, e.g., `--interfaces eth0,eth1`. Reference:

[Nutanix Bible](#)

[Nutanix University NCS-Core Materials](#)

Question 3

Question Type: MultipleChoice

After a consultant runs a bare metal Foundation, the imaging process fails.

In which two locations can the consultant find the logs? (Choose two.)

Options:

- A- On the CVM - `/home /nutanix/foundation/logs`
- B- On the Hypervisor - `/home/nutanix/foundation/logs`
- C- On the Foundation VM - `/home/nutanix/foundation/logs`

D- View Logs link on the Foundation Imaging progress screen

Answer:

C, D

Explanation:

After a failed bare metal Foundation imaging process, the consultant can find relevant logs in two primary locations: on the Foundation VM at '/home/nutanix/foundation/logs' and via the 'View Logs' link available on the Foundation Imaging progress screen. These logs are crucial for diagnosing issues during the imaging process as they provide detailed error messages and operational data. Reference:

Nutanix University - NCS-Core 6.8 Learning Path

[The Nutanix Bible, Foundation chapter \(https://www.nutanixbible.com/\)](https://www.nutanixbible.com/)

Question 4

Question Type: MultipleChoice

Refer to the exhibit.



The customer has an existing NX-3160 block and is adding a second node into it.

Where should the node be installed?"

Options:

- A- 1
- B- 2
- C- 3
- D- 4

Answer:

B

Explanation:

Based on the exhibit which shows an NX-3160 block with marked slots, the correct slot for installing a new node in the existing NX-3160 block is slot 2. This configuration is typically aligned with the chassis' design for orderly expansion and maintaining balanced power and cooling distribution among the nodes. Reference: Nutanix Bible, Nutanix University NCS-Core 6.8 learning materials



Question 5

Question Type: MultipleChoice

A customer has HE servers with DiscoverOS and wants to install a Nutanix cluster.

Which method should a consultant use to meet the requirements?

Options:

- A- Manually create the cluster.
- B- Create the cluster using CVM Foundation.
- C- Image the bare metal nodes.
- D- Create the cluster using Crash cart.



Answer:

C

Explanation:

When installing a Nutanix cluster on hardware servers pre-loaded with an existing operating system such as DiscoverOS, the best approach is to re-image the bare metal nodes. This process involves using the Nutanix Foundation tool to install the required Nutanix software (such as AOS and Hypervisor) onto the nodes, replacing any pre-existing software. This ensures that the hardware is properly configured and optimized for the Nutanix environment. Reference:

Nutanix University - NCS-Core 6.8 Learning Path

The Nutanix Bible, Foundation chapter (<https://www.nutanixbible.com/>)

Question 6

Question Type: MultipleChoice

During the Foundation imaging process, nodes are successfully imaged, but the cluster creation fails.

Which log should the consultant review to determine the cause?

Options:

- A- service.log
- B- foundation.out
- C- first_boot.log
- D- genesis.out

Answer:

B

Explanation:

During the Nutanix Foundation process, if imaging succeeds but cluster creation fails, the foundation.out log is the primary resource for investigating issues related to cluster creation. This log file contains detailed information about the steps undertaken by the Foundation process, including any errors or issues encountered during the cluster creation phase, making it invaluable for diagnosing problems that prevent successful cluster configuration.

Nutanix Bible (<https://www.nutanixbible.com/>), particularly the sections on troubleshooting with logs.

Nutanix University: NCS-Core 6.8 Training (<https://university.nutanix.com/>), where log file analysis is discussed in the context of deployment troubleshooting.

Question 7

Question Type: MultipleChoice

Which configuration item is a hard requirement to deploy a Nutanix cluster?

Options:

- A- Nutanix cluster name
- B- Cluster Virtual IP
- C- Motion IP address
- D- CVM IP address

Answer:

D



Explanation:

The CVM IP address is a hard requirement for deploying a Nutanix cluster. Each CVM must have a unique IP address assigned to it as this IP address is critical for cluster operations, including data replication, management activities, and communication between CVMs and hypervisors. The other options, while important for various functionalities, do not represent a hard requirement for initial deployment. Reference:

Nutanix University - NCS-Core 6.8 Learning Path

[The Nutanix Bible, Cluster Configuration chapter \(https://www.nutanixbible.com/\)](https://www.nutanixbible.com/)

Question 8

Question Type: MultipleChoice

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?

Options:

- 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.

Answer:

B

Explanation:

The warning message about powering off VMs during an AOS upgrade in a two-node cluster is issued because, in smaller clusters such as two-node configurations, resource availability and redundancy are limited. To safely perform an upgrade without risking service disruption, the VMs need to be powered down to free up resources and ensure that there is sufficient capacity to handle the cluster operations during the upgrade process. Reference: Nutanix Bible, NCS-Core 6.8 course content, and Nutanix upgrade best practices.



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