

# Nutanix Certified Specialist - Core (NCS-Core)

1. A customer has a G6 AHV cluster with 4x10GbE NICs on each node and the following configuration:

\* Networking is set to default

\* Only two NICs are connected

The customer receives the following critical message:

The NIC is disconnected from the switch, or the switchport is failing.

What should the consultant verify to resolve the issue?

A. The NICs are configured for active-backup.

B. The VLANs are configured correctly on the switch or tagged on the cluster.

C. The other two 10GbE connections are removed from the default bond.

D. The NICs are connected for balance-slb.

**Answer(s): A**

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2. An administrator is performing a set of routine checks and notes that Prism Central is running with 4 vCPUs and 21 GB RAM. The organizations environment is based on two Nutanix clusters with 170 VMs plus a Legacy vSphere infrastructure. No manual changes have been done on Prism Central VM.

Which configuration justifies the current Prism Central configuration?

A. Nutanix Move is running on Prism Central to import VMs from the Legacy Cluster.

B. Prism Central was installed for Large Deployment environments.

C. Prism Central is running on the legacy duster and requires more RAM.

D. Nutanix Leapand Nutanix Flow have been enabled on Prism Central

**Answer(s): D**

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3. Which Nutanix feature creation is described in the Knowledge Transfer?

A. Calm Blueprints

B. REST API

C. Self Service Portal

D. Data Protection Domain

**Answer(s): D**

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4. A customer wants to expand an existing cluster with three additional nodes. After running the Foundation process on the new nodes, the customer realizes that the wrong IPs were used and the nodes are configured on a different network. The customer decides to create a new cluster instead.

Which method should be used to recreate the cluster?

A. Log into IPMI and use cluster create command to create the cluster.

B. Log into CVM and use cluster create command to create the cluster.

C. Log into Hypervisor and use cluster create command to create the cluster.

D. Foundation all nodes again and create the cluster.

**Answer(s): B**

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5. A consultant is performing a Nutanix Cluster installation on Dell XC Core hardware. The consultant decides to use Foundation Portable for Mac to perform the installation. When the consultant arrives onsite, Foundation Portable is unable to locate the new nodes.

Which log should the consultant check to troubleshoot this issue?

A. `/home/nutanix/foundation/log`

B. ~/data/logs/foundation.out

C. foundation.app/contents/resouces/log

D. ~/data/logs/foundation

**Answer(s): A**

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6. For several days, an administrator notices the following alerts:

- CVM NIC Speed Low Warning Alerts
- Warning Alerts of CVM NIC not performing at optimal speed
- CVM is disconnected from the network Critical Alert
- Network Visualization page shows excessive dropped packets on CVM/Host

Which steps should be taken to determine which problem should be addressed first?

A. · Access the Hardware Page to verify resources are available · Analyze all CVM Speed Alerts in the Alerts/Events page · Analyze output for the network and interface properties and connectivity issues

B. · Verify Host/CVM connectivity on the Network Visualization page · Use to verify the bridge and bond configuration · Review alerts/events page for the CVM disconnected error

C. · Review Alerts page for NIC speed alerts and alert timing · Analyze the genesis.out log file for process failures · Assess the NIC properties in the Network Visualization > Host Properties page D. · Restart networking services on the CVM · Determine the current configuration of the affected CVM via output · Access the Alerts/Events page for the CVM network connection failures

**Answer(s): B**

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7. A consultant is using the Foundation applet to create a cluster. During the process the consultant refreshes the progress bar web page and is concerned when nothing loads.

What should the consultant do to verify that Foundation has completed successfully?

A. Return to the Foundation configuration page and start over.

B. Update Java on the Foundation VM.

C. Connect to any CVM IP address from a web browser.

D. Restart the Foundation process.

**Answer(s): C**

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8. 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:

- 8 vDisks per SQL server VM
- Database and Log files on separate vDisk
- 2 TempDB database drives and 1 TempDB log drive

What should the administrator do 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

**Answer(s): A**

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9. After imaging the nodes and creating the cluster successfully, the consultant connects the cluster to the customer network. When logging into Prism, the events dashboard is full of errors.

What is causing the issue?

A. The cluster was not stopped prior to connecting to the customer network.

B. The Cluster Virtual IP Address (VIP) was not set up during the process.

C. Foundation did not create the cluster successfully.

D. The consultant did not run Nutanix Cluster Check (NCC..

**Answer(s): A**

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10. After uploading a hypervisor ISO during the Foundation process, a consultant sees a message that the MD5 sum for the hypervisor is not found in the Whitelist file.

Which step should the consultant take next to resolve this issue?

- A. Download the hypervisor ISO again from the vendor website.
- B. Restart the Foundation process and upload the hypervisor again.
- C. Download the latest hypervisor ISO whitelist file from Nutanix portal.
- D. Check the hypervisor version in the Nutanix Compatibility Matrix.

**Answer(s): C**

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**11.** A customer wants to know the details of network validation testing. Where can the consultant find this information?

- A. Handover checklist
- B. Test plan
- C. Operations Guides
- D. As-Built Guide

**Answer(s): A**

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**12.** A customer wants to use NIC teaming on an ESXi host using a vSphere Standard Switch configured with the Route based on physical NIC load load balancing option. The customer does not see the option when editing the Teaming and Failover settings for the switch. How should the consultant resolve this issue?

- A. Change the load balancing option on the switch.
- B. Add a vSphere Distributed Switch
- C. Add another physical NIC to the team.
- D. Install a vCenter server to manage the switch

**Answer(s): B**

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**13.** 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.

**Answer(s): B**

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**14.** An administrator has a custom backup application that requires a 2TB disk and runs in Windows. Throughput is considerably lower than expected.

The application was installed on a VM with the following configuration:

- Four vCPUs with one core/vCPU
- 4GB of Memory
- One 50GB vDisk for the Windows installation
- One 2TB vDisk for the application

What is the recommended configuration change to improve throughput?

A. Increase the number of cores per vCPU

B. Increase the vCPUs assigned to the VM

C. Span the 2TB disk across four vDisks

D. Add 4GB of memory to the VM

**Answer(s): C**

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**15.** A consultant runs the Foundation Applet and discovers all the nodes. The consultant wants to use the latest version of Foundation for imaging for support purposes and to cover the latest hardware and software hypervisor support.

What should the consultant do to upgrade Foundation on a node?

A. Use crash cart and manually upgrade Foundation files on one node.

B. Use latest version of Foundation to reimage all the nodes.

C. Use the Foundation VM to upgrade Foundation on all nodes.

D. Use the Foundation Applet to upgrade Foundation on a single node.

**Answer(s): D**

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**16.** An administrator needs to initiate a new VDI project within a couple of months. Prism Central reports there are no storage resources to accommodate such workloads.

The administrator sees many powered-off VMs and has the authority to delete test VMs powered off at least for 30 days. Test VMs belong to the Test category.

Using Prism Central, which steps are required to identify the correct VMs to be deleted?

A. Use Capacity Runway to filter by Test and Powered-off VMs

B. Filter VMs list, choose Test category and Inactive under Efficiency

C. Create a new Scenario selecting Test VMs. filter by uptime

D. Create a new Project selecting Test VMs, sorting by power state

**Answer(s): B**

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**17.** 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

**Answer(s): C**

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**18.** 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

**Answer(s): A**

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**19.** A consultant is preparing to add new nodes into an existing cluster. The current cluster AOS version is 5.8. The new expansion node is currently running AOS 5.9 code. The cluster must continue to run at its current AOS version.

Which method can be used to successfully add the node?

A. Upgrade the cluster to 5.9 and add the node through Prism Element.

B. Use Prism Element to Expand the cluster and select the re-image option.

C. Use the CLI and enter `cluster add-node node-serial="node_serial"`.

D. Use Prism Element, which will downgrade the node by default during the node add process.

**Answer(s): B**



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**20.** An administrator is concerned that Prism will be inaccessible if Active Directory is unable to process logins. Which method should the administrator use to access the cluster in the event of this type of outage?

A. Manage the cluster by using the "nutanix" user on the Prism leader CVM

B. Create and use an emergency local account on the cluster

C. Deploy an Active Directory server locally on the cluster

D. Manage the cluster remotely by downloading ncli to a remote workstation

**Answer(s):** B

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