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**Nutanix**

# NCSE-Core

*Nutanix Certified Systems Engineer-Core (NCSE-Core)*



### Question: 163

A VDI environment based on AHV Cluster is not performing well. The current environment is using only one bridge (BridgeO). An administrator need to verify if nodes are using all network card associated to BridgeO.

Which two menus should be used to check the current configuration? (Choose two.)

- A . Host NICs tab in Hardware menu
- B . Host view in Network menu
- C . 1.0 Metrics tab VM menu
- D . Network Configuration item in Setting menu

**Answer:** B,C

### Question: 164

A customer needs to expand an existing cluster to accommodate workloads. The workloads require 5TB of storage capacity (1.2TB of working set data), 64GB of memory, and 10 physical CPU cores.

Their current cluster is configured as follows:

- 4x NX-3060-G5 nodes
- Each node is configured with 2x E5-2620v4 processors (8 Cores each), 128GB RAM, 2x 960GB SSDs, and 4x 2TB HDDs
- The cluster is configured as RF2 and is sized for N+1 availability
- Each CVM is configured with 32GB of memory

To maintain optimal metadata balance and data availability, which configuration should be recommended?

- A . 2x NX-3060-G5 – 2x E5-2620v4 processors, 128GB RAM, 2x 960GB SSDs, 4x 2TB HDDs
- B . 1x NX-6035C-G5 – 2x E5-2620v4 processors, 128GB RAM, 1x 1920GB SSDs, 5x 4TB HDDs
- C . 1x NX-3060-G5 – 2x E5-2620v4 processors, 128GB RAM, 2x 1920GB SSDs, 4x 2TB HDDs
- D . 3x NX-1065-G5 – 2x E5-2620v4 processors, 128GB RAM, 1x 1920GB SSDs, 2x 4TB HDDs

**Answer:** A

### Question: 165

Which three cluster operations require an administrator to reclaim licenses?(Choose three)

- A . Destroy a cluster.
- B . Upgrade a cluster

- C . Migrate a cluster
- D . Remove a Node from a cluster
- E . Move Nodes between clusters.

**Answer:** A,D,E

Explanation:

[https://portal.nutanix.com/page/documents/details/?targetId=Web\\_Console\\_Guide-Prism\\_v4\\_7:lic\\_licensing\\_managing\\_c.html](https://portal.nutanix.com/page/documents/details/?targetId=Web_Console_Guide-Prism_v4_7:lic_licensing_managing_c.html)

### Reclaiming Licenses (Including License Renewal)

You can reclaim and optionally re-apply licenses for nodes in your clusters: You must reclaim licenses when you plan to destroy a cluster. First reclaim the licenses, then destroy the cluster. You do not need to reclaim Starter licenses. These licenses are automatically applied whenever you create a cluster, including after you have destroyed a cluster. Return licenses to your inventory when you remove one or more nodes from a cluster. Also, if you move nodes from one cluster to another, first reclaim the licenses, move the nodes, then re-apply the licenses. You can reclaim licenses for nodes in your clusters in cases where you want to make modifications or downgrade licenses. For example, applying an Ultimate license to all nodes in a cluster where some nodes are currently licensed as Pro and some nodes are licensed as Ultimate. You might also want to transition nodes from Ultimate to Pro licensing. You must reclaim licenses when you renew licenses. First reclaim the expired licenses, then apply new licenses.

**Question:** 166

Refer to Exhibit.

VM	PowerState	Template	CPUs	Memory GB	Provisioned MB	In Use MB	Datacenter	Cluster
srv01	Powered Off	TRUE	2	2	49403	40961	Primary DC	General
srv02	Powered On	FALSE	2	2	55439	18148	Primary DC	General
srv03	Powered On	FALSE	4	2	53385	34392	Primary DC	General
srv04	Powered On	FALSE	4	2	78010	64664	Primary DC	General
srv05	Powered On	FALSE	2	4	55427	55427	Primary DC	General
srv06	Powered On	FALSE	2	4	139667	108955	Primary DC	General
srv07	Powered On	FALSE	2	2	159913	159913	Primary DC	General
srv08	Powered On	FALSE	2	8	45205	45205	Primary DC	General
srv09	Powered Off	TRUE	8	8	67749	67749	Primary DC	General
srv10	Powered On	FALSE	4	8	119509	12700	Primary DC	General

  

Host	Datacenter	Cluster	# CPU	Cores Per CPU	Speed MHz	Memory GB
pdcesxi1	Primary DC	Prod	2	4	2399	128
pdcesxi2	Primary DC	Prod	2	4	2399	28

When entering a Raw Input workload into Sizer, what amount of RAM should be used for the entire workload?

- A . 32GB
- B . 42GB
- C . 48GB
- D . 64GB

**Answer:** A

### Question: 167

An SE is working with a financial institution prospect on a VDI environment refresh. The institution currently has 5000 named VDI users, with a peak of 2800 concurrent users.

How many VDI VMs does the SE need to size for, factoring in an additional 10% for growth?

- A . 2880
- B . 3080
- C . 5000
- D . 5500

**Answer: B**

### Question: 168

An administrator has been alerted to a VM that has high I/O latency and wants to determine if there are any other factors, such as insufficient network or memory resources that correlate, as part of a troubleshooting process.

Which type of chart should the administrator create to allow all relevant data to be easily exported to CSV for later analysis?

- A . A VM entity chart with each of the relevant metrics.
- B . A cluster metric chart for each of the relevant metrics
- C . A cluster entity chart with each of the relevant metrics
- D . A VM metric chart for each of the relevant metrics

**Answer: D**

### Question: 169

An administrator receive report that VDI desktop performance in an 8-node Nutanix VDI environment is poor. Opening applications takes between 1 and 2 minutes.

When investigating the issue, the following conditions are found:

- Cluster memory utilization: 80%
- Cluster SSD utilization: 70%
- Average VM CPU wait time: 11 %
- CVM CPU utilization: 75%

Which action should be taken to improve VDI performance?

- A . Increase the amount of SSD storage in the cluster
- B . Ad memory to the nodes in the cluster
- C . Increase the number of vCPU cores allocated to the CVM
- D . Add CPU resources to the cluster

**Answer: B**

**Question: 170**

An SE is building a solution for Federal government prospect that requires FIPS 140-2 Level 2 encryption for data at rest.

Which two items are required to deliver a solution that meets the encryption standard? (Choose two)

- A . Nutanix Acropolis Pro License.
- B . Self-Encrypting Drives.
- C . A supported Key Management Server.
- D . Nutanix Prism Pro Licensing.
- E . Nutanix Software encryption.

**Answer: B,C**

**Question: 171**

A customer is asking for a quote for a hybrid cluster to run general purpose VMs and an ERP application containing a 500GB database. The customer has a VSAN ReadyNode quote already and looking for a comparable Nutanix solution.

They share the following specifications

3 hosts

2 x E5-2640v4 CPU 512GB RAM

1 x 480GB SSD

2 x 8TB HDD

2 x 1GB NIC

Which two aspects of the requested configuration should cause concern and need for further discovery? (Choose two.)

- A . 2 x E5-2640v4 CPU
- B . 512GB RAM
- C . 1 x 480GB SSD
- D . 2 x 8TB HDD
- E . 2 x 1GB NIC

**Answer: C,E**

**Question: 172**

A prospect is interested in evaluating Nutanix at no cost for a few months, but wants to use existing test hardware to deploy a few VMs.

Their primary interest is in experiencing platform management and not application or benchmark performance.

Which approach should an SE recommend?

- A . Nutanix NX POC
- B . Nutanix community Edition
- C . Nutanix Go
- D . Nutanix Test Drive

**Answer:** B

**Question:** 173

A prospective customer wants to build a private cloud in addition to provisioning workloads across multiple public cloud providers.

Presently, the staff lacks the time and skillset for on-premises infrastructure management.

Which two features should qualify this project as a Nutanix opportunity? (choose two)

- A . Flow
- B . Calms
- C . Cloud Connect
- D . All falsh nodes
- E . Prism 1-Click operations

**Answer:** B,E

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