

Nutanix Certified Systems Engineer - Core (NCSE-Core)

1. AN SE determines that a POC is necessary to overcome competitive FUD in an opportunity with an Enterprise account evaluating several HCI solutions. The customer will evaluate three solutions in their datacenter simultaneously over the course of 4 days.

The customer schedules all necessary personnel to be available during this time.

Which two network planning items should the SE determine prior to allocation hardware for the POC? (Choose two)

A. VLAN tags

B. CVM and hypervisor IP address

C. TOR switch redundancy configuration

D. Switch port type

E. Source and number of cables

Answer(s): D E

2. A systems engineer is building a solution for a 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 Software Encryption

B. Nutanix Prism Pro Licensing

C. A supported key Management Server

D. Self-Encrypting Drive

Answer(s): C D

3. An administrator is managing a highly active SQL workload that is writing I/Os in 2 MB chunks to a vDisk. The administrator wants to optimize capacity setting for the computer. Which storage optimization technology should the administration select to meet these requirement?

A. Erasure Coding

B. Compression

C. Capacity Deduplication

D. Cache Deduplication

Answer(s): B

4. 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(s): B C

5. A prospective customer is concerned about the suitability and design of using Nutanix for an upcoming Avaya IP Office migration. Which type of document should the systems engineer (SE) Provide?

A. Knowledge Base Article

B. Best Practice Guide

C. Field Advisory

D. Reference Architecture

Answer(s): B

6. 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(s): C E

7. Where are Leap Availability Zones configured?

A. Cloud Connect

B. Controller VM

C. Prism Element

D. Prism Central

Answer(s): D

8. A prospect uses VMware, Oracle and Microsoft products for their critical operations. The prospect prefers an all-flash array because they have significantly invested in servers for their Oracle environment to save on licensing costs.

Which feature should be discussed to address this objection?

A. AHV

B. Hyper-V Support.

C. ABS

D. All-flash nodes.

Answer(s): C

9. CPU utilization climbs above 90% on several VMs. This causes performance degradation for a business-critical application.

How can alerts be configured to notify the administrator before VM CPU utilization hits 90%?

A. On a CVM, use ncli to set the VM CPU Check threshold for the critical VMs to a value below 90%.

B. On the Health dashboard, locate the VM CPU Check and lower the alert threshold below 90%.

C. On a CVM, configure a cron job to run the VM CPU Check more frequently and email the result.

D. On the Alerts dashboard, ensure that the VM CPU usage alert is not set to auto-resolve.

Answer(s): B

10. What are two things that the ADS service does for VMs within AHV? (Choose two.)

- A. Invoke workload movement if there is contention of resources.
- B. Invoke workload movement when there is no contention of resource
- C. Balance VMs throughout the Cluster when the VM is first powered on
- D. Re-balance powered-on VMs evenly throughout the cluster

Answer(s): B C

11. In a competitive POC scenario, the prospect is testing Nutanix against VxRail and Hyperflex. The customer is interested in an ""All in One"" solution that's simple to deploy, manage, and grow. Which two test plan items should the SE map to POC success criteria? (Choose two)

- A. Deploy HCIbench to determine maximum IOPS.
- B. Deploy Calm to automate application deployment.
- C. Expand the cluster by adding an additional node.
- D. Use a single interface to manage and monitor the full stack.
- E. Enable all data efficiency settings.

Answer(s): C D

12. A customer has a 3-node cluster configured for RF2 with 100TB of raw disk space. The customer wants to enable Erasure Coding to gain additional usable space. What change will allow EC-X to be enabled?

- A. Add 1 node to the cluster
- B. Add an additional 30TB to the existing cluster

C. Increase the size of the default storage pool

D. No changes are required

Answer(s): A

13. An SE is building a solution for a federal government prospect that u???

Which two items are required to deliver a solution that means the ??? encryption (choose two)

A. Nutanix Acropolis Pro Licensing

B. Self-Encrypting Drives

C. A supported Key Management Server

D. Nutanix Software Encryption

Answer(s): B D

14. A prospective customer has a requirement for Data-at-Rest-Encryption for all their data Which two license options are available to address this requirement? (Choose two)

A. Pro with the Encryption SKU

B. Ultimate

C. Pro

D. Starter with the Encryption SKU

Answer(s): A C

15. Which type of data is distributed by Zookeeper to ensure availability in the case of node or block failure?

A. User Data

B. Metadata

C. Configuration Data

D. Snapshot Data

Answer(s): C

16. A customer needs to increase availability in their Nutanix environment by enabling rack awareness. The current configuration consists of : 1 RF2 cluster consisting of 7 identical NX-3170 1U nodes , All Storage efficiencies are disabled , Which two changes should the systems engineer propose to meet the customer requirements ? (Choose two)

A. Add 1 additional NX-3170 1U node.

B. Add 2 additional NX-3170 1U nodes.

C. Distribute nodes across 2 separate racks.

D. Distribute nodes across 3 separate racks.

Answer(s): B D

17. A prospect wants to target Nutanix as infrastructure for running VMs built as part of their new Continuous Integration and Delivery (CI/CD) pipeline. Hundreds of builds will occur per day across their development organization.

Which two items should the SE identify to begin sizing the Nutanix deployment? (Choose two.)

A. The configuration manager that the customer will use with the application builds

B. The frequency and lifespan of each application build

C. The build manager that the company will use for the builds

D. The configuration/specs of the VMs within each application build

Answer(s): A D

18. Which two Citrix desktop creation capabilities are supported on Nutanix AHV? (Choose two)

A. Provisioning Service

B. System Center Virtual Machine Manager

C. Composer

D. Machine Creation Services

E. Desktop Delivery Controller

Answer(s): A D

19. A prospect's business is growing 100% year over year. The prospect is interested in Nutanix for their main datacenter due to the ability to scale quickly and easily. They have three remote sites that will be refreshed within the next year. Each site needs to replicate to their main datacenter. The SE proposes the Nutanix SX line, and the prospect asks to utilize the Xpress line.

For which reason is the Xpress line the wrong choice? (Choose two)

A. SX is limited to two 4-node clusters.

B. SX has a lower services cost for installation.

C. SX is limited to one 4-node cluster.

D. SX licensing does not support cluster-to-cluster replication

E. SX licensing will not support many-to-many- cluster replication

Answer(s): A E

20. Which two VMs require further data analysis to accurately size resources? (Choose two) ??

A. prodsrv02

B. prodsrv05

C. prodsrv06

D. prodsrv07

Answer(s): B D
