Nutanix.NCSE-CORE.by.Quano.115q

Exam Code: NCSE-Core
Exam Name: Nutanix Certified Systems Engineer Core

Exam A

QUESTION 1
A prospect provides the following details for sizing active working set based on their existing server virtualization environment:
Full backup reports:
January: 10TB
February: 11TB
March: 12TB
April: 13TB
May: 14TB
Average Read/Write Ratio - 75/25
When entering a Raw Input in Sizer, what should the SE use as the minimum amount of required SSD Storage?

A. 1.5TB

B. 3TB

C. 4.5TB

D. 6TB

Correct Answer: B
Section:

QUESTION 2
Refer to the exhibit.

VM	PowerState	Template	CPUs	Memory GB	Provisioned MB	In Use MB	Datacenter	Cluster
vm01	Powered On	FALSE	2	2	49,403	40,961	Primary DC	General
vm02	Powered On	FALSE	2	2	55,439	18,148	Primary DC	General
vm03	Powered Off	TRUE	4	2	53,385	34,392	Primary DC	General
vm04	Powered Off	TRUE	4	2	78,010	64,664	Primary DC	General
vm05	Powered On	FALSE	2	4	55,427	55,427	Primary DC	General
vm06	Powered On	FALSE	2	4	1,39,667	1,08,955	Primary DC	General
vm07	Powered On	FALSE	2	2	1,59,913	1,59,913	Primary DC	General
vm08	Powered On	FALSE	2	8	45,205	45,205	Primary DC	General
vm09	Powered On	FALSE	8	8	67,749	67,749	Primary DC	General
vm10	Powered On	FALSE	4	8	1,19,509	12,700	Primary DC	General
		Total	32	80	8,23,707	6,08,114		

Host	Datacenter	Cluster	# CPU	Cores Per CPU	Speed MHz	Memory GB
pdcesxi1	Primary DC	Prod	2	2	2399	64
pdcesxi2	Primary DC	Prod	2	2	2399	64

A prospect provides the data shown captured from their existing environment using RVTools. The prospect has additional historical CPU utilization data that indicates peak CPU utilization never exceeds 50% on either physical host.
Which vCPU:pCore ratio should be used in Sizer?

A. 2:1

B. 3:1

C. 4:1

D. 5:1

Correct Answer: C

QUESTION 3
Which two capabilities does IPAM provide in a Nutanix networking configuration? (Choose two.)

A. Allows proxy server settings to be set up for a defined network
B. Allows AHV to assign IP addresses automatically to VMs using DHCP
C. Configures a VLAN with an IP subnet and assigns a group of IP addresses
D. Configures firewall rules to prevent or allow certain TCP/IP traffic

Correct Answer: B, C
Section:

QUESTION 4
Which method can be used to migrate a VM configured for UEFI-boot from a Nutanix Hyper-V cluster to AHV?

A. Live Migration
B. Storage vMotion
C. Nutanix Move
D. Cloud Connect

Correct Answer: C
Section:

QUESTION 5
An administrator needs to report on any alerts generated by a Nutanix cluster that affected the cluster's availability over the past 10 days.
Which method should be used to locate these events?

A. On the Health dashboard, use the Log Collector to export data based on time stamp.
B. Export the cluster event log to a CSV on the Alerts dashboard.
C. On the Alerts dashboard, filter based on Impact Type and the desired Time Range.
D. Configure an Alert Policy to generate an email with the data on the Health dashboard.

Correct Answer: C
Section:
Explanation:
Reference: https://portal.nutanix.com/page/documents/details?targetId=Prism-Central-Guide-Prism-v55:mulalerts-management-pc-c.html

QUESTION 6
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.

Correct Answer: B
Section:
Explanation:
Reference: https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prismv5_16:Web-Console-Guide-Prism-v5_16

QUESTION 7
Refer to the exhibit.

| vInfo | vCPU | Memory | vDisk | vPartitions | vFloppy | vCD | vSnapshots | vCluster | vTools | vRP | vHost |

Assuming a prospect is currently using Thick Provisioned virtual disk, at a minimum, which two tabs should be evaluated in an RVTools report to determine required resources for sizing? (Choose two.)

A. vInfo
B. vNetwork
C. vPartition
D. vCluster
E. vDisk

Correct Answer: A, C
Section:

QUESTION 8
Refer to the exhibit.
Exhibit is Missing
Based on the sizing scenario, what level of resiliency can be inferred about the configuration?

A. FTT1
B. N+0
C. N+1
D. N+2

Correct Answer: D
Section:

QUESTION 9
After a meeting with a new prospect to demo Nutanix for a Splunk opportunity, the prospect requests a POC.
To qualify the need for a POC, which question should an SE ask the prospect first?

A. Are you considering other solutions?
B. What do you plan to evaluate?
C. Is this project budgeted?
D. Which version of Splunk are you running?

Correct Answer: B
Section:

QUESTION 10
An SE builds a sizer scenario for a prospect's remote site running on an NX-1365S-G5.
Using only the sizer BOM. which two actions can be performed? (Choose two.)

A. Review budgetary pricing

B. Review workload sizing details

C. Review power consumption requirements

D. Review applicable discounts from deal registration

E. Reference the HCL for additional SKUs relevant to the configuration

Correct Answer: B, E
Section:

QUESTION 11
An SE is building a solution for a federal goverment prospect that u???
Which two items are required to deliver a solution that meens the ??? encryption (choose two)

A. Nutanix Acropolis Pro Licensing

B. Self-Encrypting Drives

C. A supported Key Management Server

D. Nutanix Software Encryption

Correct Answer: B, D
Section:

QUESTION 12
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

Correct Answer: B
Section:

QUESTION 13
A Nutanix customer needs to migrate 1000VMs from ACME Public Cloud to a local Nutanix cluster ACME Public Cloud operates on VMware ESXi, Hp ProLiant Servers with 3PAR storage. ACME Public Cloud denies customers access to vCenter or ESXi hosts But they do replicate a copy of the virtual disks to external storage.
Which method should the customer use to migrate the VMs to a local Nutanix Cluster?

A. Use Xtract for VMs to migrate VMs from ACME Public Cloud vCenter to local Nutanix cluster.

B. Deploy Nutanix Community Edition in ACME Public Cloud and replicate VMs to local Nutanix cluster.

C. Use Calm to automate and orchestrate deployment on the local Nutanix cluster.

D. Use the latest copy of VMs on external storage to import on the local Nutanix cluster

Correct Answer: D
Section:

QUESTION 14

A prospect discloses they have had multiple instances of unplanned downtime in the last 3 months due to server hardware failures. The team has been through multiple reorganizations in support of a struggling cloud migration project. As a result, cummunication whithin the team has suffered and some notifications from their SNMP based monitoring solution have been ignored.
Which Nutanix feature should the SE highlight?

A. Pulse

B. Insights

C. Prism

D. Watchtower

Correct Answer: A
Section:

QUESTION 15
A prospect facing an upcoming Vmware ELA renewal has a management directive to move to the public cloud due to perceived cost savings. Their virtualization team is currently struggling with refactoring applications for AWS. As a result, the virtualization team is pushing to evaluate VXRail and renew their VMware ELA.
Which two aspects of Nutanix shoud the SE Highlight? (Choose two)

A. Nutanix AHV

B. Cloud Connect

C. Nutanix Calm

D. Multi-cluster Management

E. Multi-hypervisor Support

Correct Answer: C, E
Section:

QUESTION 16
A prospect indicates a requirement to replicate data offsite for a production workload.
Which three questions the SE ask about the prospect's requirement?
(Choose three.)

A. What are the retention requirements?

B. How much data needs to be replicated?

C. What OS will be deployed on the server VMs?

D. What is the WAN speed and latency between source and target sites?

E. Will Prism Pro be licensed for each cluster?

Correct Answer: A, B, D
Section:

QUESTION 17
A prospect is concerned about the suitability and design of using Nutanix for an upcoming Avaya IP Office migration.
Which type of document should the SE provide?

A. Best Practice Guide

B. Reference Architecture

C. Filed Advisory

D. Knowledge Base Article

Correct Answer: B
Section:

QUESTION 18
A prospect is evaluating HEP SimpliVity and Nutanix Software-Only on HPE servers and receives FUD from the competition regarding HPE not supporting or officially partnering with Nutanix. which two items should be leveraged to overcome concern about product supportability? (Choose two)

A. TSAnet
B. SimpliVity competitive briefing
C. NX appliances
D. Nutanix Sizer BOM
E. Nutanix Software Only HCL

Correct Answer: A, E
Section:

QUESTION 19
A prospect is evaluating Nutanix for a large number of Oracle RAC deployments. Time to deployment is a top priority, and the prospect has developed a self-service tool in-house to expedite these deployments.
Which Nutanix feature should be discussed?

A. Calm
B. Xtract for Databases
C. ABS
D. REST API

Correct Answer: A
Section:

QUESTION 20
A prospect is experiencing disk performance issues in their database environment. The prospect's databases currently run on physical servers and an iSCSI SAN with spinning disks. Which two Nutanix features should an SE discuss with this prospect to address their disk performance issues? (Choose two)

A. Snapshots
B. Data Locality
C. De-duplication
D. Erasure Coding
E. All Flash Nodes

Correct Answer: B, D
Section:

QUESTION 21
A prospect is interested in evaluating Nutanix at no cost for a few months, but wants to useexisting 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

Correct Answer: B
Section:

QUESTION 22
A prospect is replacing a 3-tier virtualization infrastructure made up of several ESXi hosts and a SAN.
The prospect recently bought a new 4-socket server to host their SQL server workload which uses the same SAN.
Which feature allows the prospect to continue using their new server without buying another SAN?

A. Heterogeneous clusters

B. Acropolis Block Services (ABS)

C. Virtual Fiber Channel Controller

D. Acropolis Container Services(ACS)

Correct Answer: B
Section:

QUESTION 23
A prospect is seeking a Nutanix solution for a mission critical application that needs to sustain two simultaneous node outages and prefers that the cluster be able to fully rebuild both data and metadata in the event hardware
issues. what is the minimum number of nodes required for the cluster?

A. 4

B. 5

C. 6

D. 7

Correct Answer: C
Section:

QUESTION 24
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

Correct Answer: B, E

QUESTION 25

A prospect needs to refresh their environment but has a very small budget for the project. Four years after their last infrastructure refresh, the prospect's core datacenter is only running at 40% utilization. In addition, they have 25 satelite offices.

Each office has a requirement to run 4 to 6 VMs locally.

Which two Nutanix platform capabilities should the SE hlight to address the prospects concerns?

(Choose two)

A. Multi-site management

B. Pay as you grow

C. Automated data storage tiering

D. Software only

E. Single node backup

Correct Answer: A, B
Section:

QUESTION 26

A prospect provides sizing details for a new application that will require 15TiB of usable storage. The prospect needs to plan for an additional 20% storage growth as part of the initial purchase. Including capacity to fully re-protect in the event of a node failure, which configuration provides minimal cost while meeting the capacity requirement?

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C
Section:

QUESTION 27

A prospect's business is growing 100% year over year. The prospect is interested in Nutanix for their main datacenter due to the ality 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 many datacenter. The SE proposes the Nutanix NX 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

Correct Answer: A, E
Section:

QUESTION 28

A prospect's existing SAN-based environment regularly experiences unpredictable storage performance and latency spikes during peak utilization. The most highly affected workload is general server virtualization.

Which Nutanix feature addresses this pain point?

A. AHV-Turbo Mode

B. Data Locality

C. Shadow Clones

D. Persistent Op-log

Correct Answer: B
Section:

QUESTION 29
A prospect's storage administrator is concerned about deploying Nutanix for their vSphere server virtualization environment due to anticipated increases to data retention for compliance purposes and associated costs.
Which Nutanix feature should an SE discuss to convince the prospect to move forward?

A. Linear scalability by adding more nodes

B. Acropolis Block Services

C. Adding Storage Only nodes

D. Extending storage container with existing SAN storage

Correct Answer: B
Section:

QUESTION 30
A prospect that is currently virtualized using Dell servers is willing to provide a Live Optics report to assist with sizing a partial infrastructure refresh with Nutanix.
Which two items from an approach for sampling accurate sizing data with Live Optics? (Choose one)

A. 24-hour windows during a period of peak utilization

B. 12-hour windows during any period

C. 24-hour windows during any period

D. 12-hour windows during a period of peak utilization

Correct Answer: C
Section:

QUESTION 31
prospect uses Vmware, Oracle, and Microsoft products for a critical application. 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

Correct Answer: C
Section:

QUESTION 32
A customer has successfully deployed Citrix XenDesktop on Nutanix,

They value the product but view Nutanix as a VDI appliance. The customer mentions a cloud initiative.
Which open-ended discovery question should the SE ask to start a conversation about expanding beyond VDI workloads?

A. Does your company use Microsoft Exchange?
B. Are you using Time Stream for the VDI workloads?
C. What is your process for evaluating new methodologies and technologies?
D. Have you reviewed additional features Nutanix like Calm or Beam yet?

Correct Answer: D
Section:

QUESTION 33
Customer requests a 30-day POC to test Microsoft SQL Server performance on Nutanix compared to existing infrastructure.
Which action should be taken to avoid the POC?

A. Recommend the customer install Nuatnix Community Edition.
B. Offer a 10% discount if the customer issues an order without a POC.
C. Share database related Nutanix case studies with the customer.
D. Recommend X-ray to facilitate performance testing and use the Xtract tool to minimize the migration.

Correct Answer: C
Section:

QUESTION 34
A customer who uses Nutanix for mission critical workloads is considering migrating public cloud workloads to Nutanix. The customer has experienced difficulty auditing where applications reside and understanding cloud costs on a per application basis.
Which Nutanix product should be discussed to address the customer'sneeds?

A. Xi
B. Beam
C. Calm
D. Prism Pro

Correct Answer: B
Section:

QUESTION 35
During a meeting with a fortune 100 prospect, an SE achieves technical buy-in from the architecture team. The prospect shares that their management recently attended an executive briefing with Cisco and was impressed by the vision presented.
Management is pushing the arching the architecture tea to adopt Cisco as their HCI standard based on a beief that Nutanix is not a major player.
Which resource should an SE highlight?

A. Garther magic Quadrant
B. ESG Performance Analysis
C. Net Promoter Score
D. Reference architectures

Correct Answer: A
Section:

QUESTION 36
During a meeting with a prospect a storage administrator comments that they're currently using 16Gb Fibre Channel for their SAN and believes that 10Gb Ethernet can't provide adequate bandwidth or low latency.
As a followup to the meeting, which Nutanix Bible section would be most helpful in overcoming the storage administrator's objection?

A. Data locality
B. Storage Tiering and Prioritization
C. Cluster Components
D. Drive Breakdown
E. Do you have any infrastructure refreshes planned for this year?

Correct Answer: A
Section:

QUESTION 37
During a sales motion with a new prospect, the prospect and SE agree to evaluate Nutanix and a computing platform using XRay.
The prospect is currently using 3-tier architecture and considering Nutanix and HPE Simplivity.
Which two details must be discussed with the prospect before the POC starts? (Choose two)

A. Model of Fibre Channel switch
B. Gather details of customer's existing 3-tier hardware
C. Identify appropriate POC hardware
D. A test plan with agreed upon success criteria
E. What type of external storage will be connected

Correct Answer: C, D
Section:

QUESTION 38
During a sales motion with a new prospect, the prospect asks to do a POC so they can experience Nutanix in their environment.
What is the most important item the SE must have in place with the prospect before moving forward with a POC?

A. Start date of the POC
B. Defined and measurable success criteria
C. Meeting frequency
D. Number of Nodes/Block to be used during the POC

Correct Answer: B
Section:

QUESTION 39
From Which page on portal.nutanix.com can an open case be directly escalated?

A. Home
B. View Cases

C. 360 View

D. Case Detail

Correct Answer: B
Section:

QUESTION 40
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.

Correct Answer: C, D
Section:

QUESTION 41
In which scenario should shadow clones be explicitly disabled?

A. when deploying Horizon View virtual desktops

B. when deploying Splunk

C. when deploying an Oracle RAC database

D. when deploying Citrix virtual desktops

Correct Answer: C
Section:

QUESTION 42
Oracle HCL for Certified Joint Support with Nutanix has Oracle Linux and Oracle VM via iSCSI listed.
What Nutanix feature is used by this certified configuration?

A. OSS

B. AFS

C. ACS

D. ABS

Correct Answer: D
Section:

QUESTION 43
A prospect is evaluating solutions to support a project. The SE proposes a hybrid model as recommended by size in addition to nutanix, the prospect is evaluating an all flash storage array. The storage administrator is concerned about the performance the hybrid configuration and claims that the flash array is less expensive the it Director sees the benefits of Nutanix but needs to address the team's concerns.
Which two Nutanix features should be discussed to address the concems of the storage administrator? (Choose two)

A. Data Locality

B. NVMe support

C. 40Gb/s support

D. Capacity Planner

E. Automatic Data Tiering

Correct Answer: A, E
Section:

QUESTION 44
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

Correct Answer: D, E
Section:

QUESTION 45
An administrator finds that home shares cannot be configured in a new Files 3.5 deployment.
Why is this happening?

A. NFS default access is set to Read Only

B. Access Based Enumeration is not enabled.

C. The system is deployed as a single FSVM.

D. Multi-protocol access is not configured.

Correct Answer: D
Section:

QUESTION 46
A VOI 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

Correct Answer: A

QUESTION 47
An administrator needs to relocate an AHV cluster to a new datacenter during a maintenance windows. The cluster will use the same IPs in the new datacenter.
Which two steps should be taken to prepare for this task? (Choose Two)

A. Stop all Nutanix Files clusters

B. Reconfigure IPMI for the new datacenter.

C. Relocate the linked LDAP server

D. Shut down all user VMs in the cluster

Correct Answer: A, D
Section:

QUESTION 48
An administrator has an existing cluster and needs to improve performance Which two items are required to achieve even greater performance?

A. Workloads are multi-threaded

B. VMs have one vCPU configured

C. VMs have multi-queue disable

D. VMs have more than one vCPU

Correct Answer: A, B
Section:

QUESTION 49
A customer has two mission-critical applications and needs to have them backup up to a remote location. The remote location is connection using a leased line and has an average latency of 7 ms.
Which Nutanix technology will provide the shortest PRO possible?

A. AsyncDR

B. NearSync

C. Metro Availability

D. Leap

Correct Answer: A
Section:

QUESTION 50
An administrator protected a DB VM running on a Nutanix cluster with NearSync Replication, which schedules to repeat every 15 minutes to a second site. The daily change rate is low. During nightly backup, the replication windows is missed due to write volume. Which two options describe the expected behaviour? (choose two)

A. The administrator needs to re-enable it manually

B. Protection Domain transitions back to hourly schedule.

C. NearSync stops working and fails over to the remote site.

D. The system continuously tries to get to the NearSync schedule.

Correct Answer: C, D

QUESTION 51
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

Correct Answer: B, C
Section:

QUESTION 52
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

Correct Answer: B
Section:

QUESTION 53
An administrator is managing multiple Windows and Linux VMs connected to Nutanix Volumes. The Linux VMs are experiencing intermittent connectivity issue. The Windows VMs do not experience the same issue. Which option should the administrator use to resolve this issue?

A. Utilize a separate subnet for the Linux VMs

B. Add additional disks to the Volume Group

C. Set the SCSI timeout value to 60

D. Utilize Jumbo Frames

Correct Answer: C
Section:

QUESTION 54
Refer to Exhibit:

An administrator logs in to Prism and sees the status shown in the exhibit within the Hardware Diagram section.
What should the administrator do?

A. Reseat all disk immediately. If this does not help, reseat the nodes.

B. Check status of applications running on the cluster and call support.

C. Resolve all alerts and re-import the disks to make sure there is no service disruption.

D. Restart all CVMs for the cluster to check, confirm health and repartition and add the disks.

Correct Answer: C
Section:

QUESTION 55
An administrator needs to make sure an RF2 cluster can survive a complete rack failure without negatively effecting workload performance. The current cluster configuration consists of the following:
• 30 nodes: distributed 10 nodes per rack across three 42U rack
• Each nodes is configured with 40TB usable storage all flash (Cluster Total 1.2 PB Usable)
• Current cluster utilization is 900TB storage
Which configuration changes should be made to make sure that the cluster meets the requirements?

A. Expanse the cluster by adding 3 additional nodes per rack, 9 nodes total.

B. Expanse the cluster by adding 2 additional nodes per rack, 6 nodes total.

C. Expanse the cluster by adding 9 nodes to a new 42U rack

D. Expanse the cluster by adding 8 nodes to a new 42U rack

Correct Answer: C
Section:

QUESTION 56
An administrator knows that the disk in a cluster are out of date and a new firmware is available. For security reason, these cluster do not have access to the internet. Which two steps must be completed to update the firmware? (Choose two.)

A. Download the update firmware .tgz file from the Nutanix Portal.

B. Download the dark site bundle and stage it on an internal webserver

C. Configure LCM with a URL to access the firmware bundle.

D. Select Upgrade Software, then select disks and upload the updated firmware.

Correct Answer: A, D
Section:

QUESTION 57
An administrator is deploying several new application VMs to a Nutanix Cluster. The application is very transactional with a 28/72 random, read/write ratio. What should the administrator do?

A. Add one large SSD to each node and enable Flash Mode for the VMs.
B. Add a minimum of four virtual disks to each VM and aggregate them on guest OS level.
C. Add a minimum of four SSDs to each node to ensure all write go to the SSDs.
D. Add one large virtual disk to each VM and use it for all application data.

Correct Answer: C
Section:

QUESTION 58
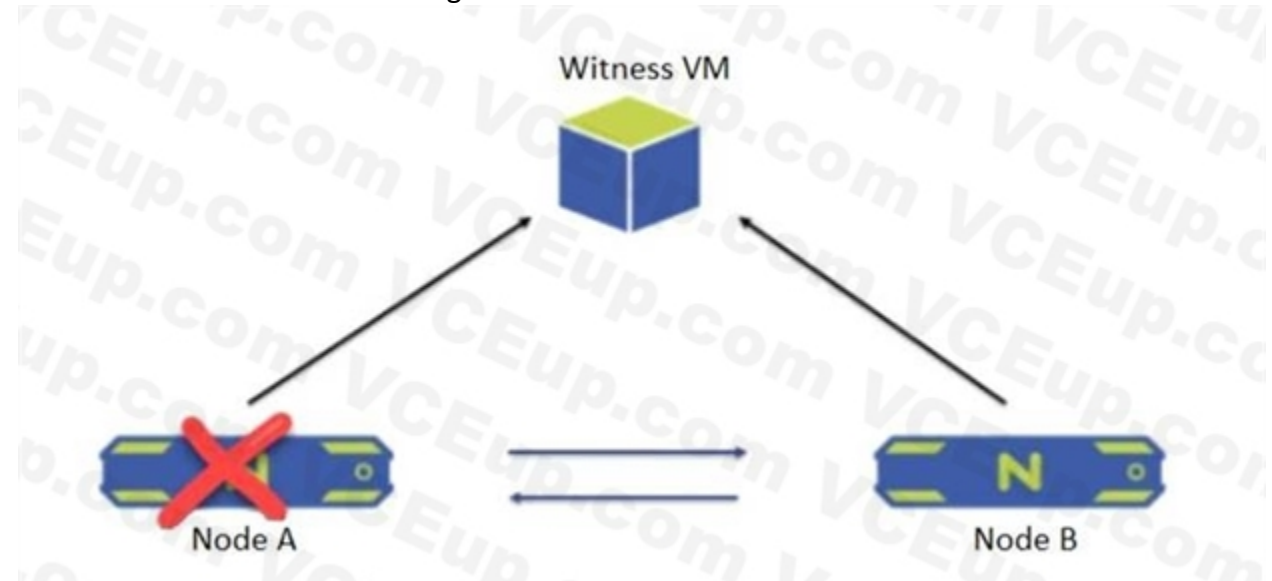In Files, how many FSVMs are deployed by default?

A. 1
B. 2
C. 3
D. 5

Correct Answer: C
Section:

QUESTION 59
A two-node ROBO cluster is configured with a witness VM.

What happens when Node A goes down?

A. The- cluster becomes unavailable and goes into read-only mode.
B. All operations and services on the Node B are shut down and go into a waiting state.
C. The cluster is unaffected and no administrator intervention is required.
D. Node B sends a leadership request to the Witness VM and goes into single-node mode.

Correct Answer: D
Section:

QUESTION 60
How will an HDD failure affect VMs with data on the failed device?

A. The VMs will crash, and will be restarted once the failed HDD has been replaced and the data has been restored.
B. A live migration will be initiated, moving the affected VMs to a host that contains the replica data.
C. The VMs will remain operational on that host and continue to function normally with no noticeable impact
D. An HA event will occur, causing the affected VMs to restart on a node that contains the replica data.

Correct Answer: C
Section:

QUESTION 61
A guest VM should be able to tolerate simultaneous failure of two nodes or drives.
What are the minimum requirements for the Nutanix cluster?

A. 3 nodes with cluster RF 3 and container RF 3
B. 3 nodes with cluster RF 3 and container RF 2
C. 5 nodes with cluster RF 2 and container RF 3
D. 5 nodes with cluster RF 3 and container RF 3

Correct Answer: D
Section:
Explanation:
Reference: https://portal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5_16:arcredundancy-factor3-c.html

QUESTION 62
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.

Correct Answer: A, D, E
Section:
Explanation:
https://portal.nutanix.com/page/documents/details/?targetId=Web_Console_Guide-Prism_v4_7:lic_licensing_managing_c.htmlReclaiming 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 63
When configuring Prism Central, which two log modules are able to forward messages to an external syslog server? (Choose two.

A. API Audit

B. Flow

C. DNS

D. NTP Synchronization

Correct Answer: A, B
Section:

QUESTION 64
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

Correct Answer: D
Section:

QUESTION 65
How should an administrator correct an SSL error when connecting to a Nutanix cluster?

A. Add the SSL certificate to the workstation's trusted people store

B. Create a new self-signed certificate for the cluster with a 4096 bit key

C. Create a new SSL certificate for the cluster signed by an AD certificate authority

D. Add the SSL certificate to an AD group policy applied to all computer objects

Correct Answer: C
Section:

QUESTION 66
Where are Leap Availability Zones configured?

A. Cloud Connect

B. Controller VM

C. Prism Element

D. Prism Central

Correct Answer: D
Section:
Explanation:
Terminology

Availability Zone – it is represented by all resources (Nutanix Clusters) connected to Prism Central or Xi Leap Availability zone. Depends on the architecture, Availability zone can represent geographic territory, datacenter or server room in the datacenter. Protection policies – in protection policies you set up (RPO, Retention), rules to auto-apply policies to virtual machines
https://vmwaremine.com/2019/02/08/nutanix-leap-runbooks-part-1/#sthash.VwrzSzhQ.dpbs

QUESTION 67
Refer to Exhibit.

Data Resiliency Status

FAULT DOMAIN TYPE: HOST

COMPONENT	FAILURES TOLERABLE	MESSAGE
Static Configuration	1	
Erasure Code Strip Size	1	
Stargate Health	1	
Metadata	1	
Oplog	1	
ZooKeeper	1	
Extent Groups	1	

An administrator increases the cluster RF to 3. The containers are not modified.
What will the new values in the data resiliency dashboard be for FAILURES TOLERABLE for the Zookeeper and Extent Groups components?

A. Zookeeper = 1 and Extent Groups = 1
B. Zookeeper = 2 and Extent Groups = 2
C. Zookeeper = 2 and Extent Groups = 1
D. Zookeeper = 1 and Extent Groups = 2

Correct Answer: D
Section:

QUESTION 68
Which three configuration scenarios are valid for the deployment of Prism Central? (Choose three.)

A. Environments use Network Address Translation.
B. Prism Elements and Prism Central art in different subnets.
C. Environments do not have Internet access.
D. Prism Elements and Prism Central have proxy configured.
E. Environments use the 192.168.5.0/24 CVM management network.

Correct Answer: A, C, E
Section:

QUESTION 69
An administrator needs to move a Nutanix host from one cluster to another.
Which step should the administrator take after evacuating VMs from the host to be moved?

A. From the Task menu in Prism, select Cluster details, then un-check the host from the list
B. In Prism, highlight the host in the Hardware pane and select Remove Host
C. In Prism, highlight the host in the Hardware pane and select Remove from Metadata Ring
D. From the Task menu in Prism, select Licensing hen delete the host license.

Correct Answer: B
Section:

QUESTION 70
An administrator is migrating ESXi VMs to a Nutanix AHV cluster. The VM data is available to the AHV system.
Which process must the administrator complete below AHV VMs can be create?

A. Import the VMs .vmx file using the Image Service
B. Rename the –flat.vmdk files for the VM based on the VM UUID
C. Import the VM's –flad.vmdk files using the Image Service
D. Import the VM's .nvram file using the Image Service

Correct Answer: C
Section:

QUESTION 71
An administrator needs to configure Acropolis File Service (AFS). The administrator is setting up AFS for the first time on the Nutanix cluster.
How many file services VMs are created by default?

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

Correct Answer: B
Section:

QUESTION 72
Which configuration can be used the data encryption on a nutanix cluster regardless of the hardware configuration?

A. Self-Encryption Drives
B. Software Encryption
C. In-line Compression
D. SSL Certificate

Correct Answer: A
Section:

QUESTION 73
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

Correct Answer: C
Section:

QUESTION 74
Write I/O that is deemed sequential will enter which component of the Distributed Storage Fabric first?

A. Oplog
B. Extent store
C. Cache
D. Metadata Ring

Correct Answer: B
Section:

QUESTION 75
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

Correct Answer: B
Section:

QUESTION 76
Which three settings are required for network switch discovery in Prism? (Choose Three)

A. Switch Management IP Address
B. AHV Host IP address
C. Cluster CVM IP address
D. SMTP Server IP address
E. SNMP Community Name

Correct Answer: A, B, E

QUESTION 77
Which two targets are valid options when selecting a remote site to Prism? (Choose Two)

A. XI Cloud Services

B. Physical Cluster

C. Network attached storage

D. Cloud

E. Tape Library

Correct Answer: B, D
Section:

QUESTION 78
For security reason an administrator needs to logically separate management and data traffic on Nutanix cluster.
Which feature should the administrator select for this configuration?

A. Prism Central

B. Network Virtualization

C. Network Segmentation

D. Microsegmentation

Correct Answer: C
Section:

QUESTION 79
An administrator is auditing the recent alerts on the cluster to report to the management.
Which dashboard in Prism Central can be used to generate this report?

A. Alerts

B. Explore

C. Apps

D. Analysis

Correct Answer: A
Section:

QUESTION 80
Which Prism Dashboard should be used to collect CPU/Memory and Disk I/O statistics over time?

A. Health

B. Alerts

C. Hardware

D. Analysis

Correct Answer: D

Section:

QUESTION 81
A System engineer (SE) is gathering requirements to size a hybrid cluster to replace a prospect's existing IT test and development environment. The prospective customer has indicated the cluster contains no business critical applications and has provided the aggregate vCPU and RAM requirements of the existing cluster. which two additional items does the SE require to size the cluster?(Choose two)

A. Existing Drive Count
B. Virtual Switch Configuration
C. Working Data Set
D. Storage Capacity

Correct Answer: C, D
Section:

QUESTION 82
A prospective customer is evaluating solutions to support a project. The systems engineer proposes a hybrid model as recommended by Sizer. The prospect is concerned about the performance of a hybrid configuration and is evaluating an all flash array. Which two Nutanix features should be discussed to address the concerns of the prospective customer? (Choose two)

A. AHV Turbo Mode
B. Data Locality
C. Automatic Data Tiering
D. Acropolis Dynamic Scheduler

Correct Answer: A, C
Section:

QUESTION 83
An HA event occurs, which causes a SQL virtual machine to restart on a different node. What impact will this cation have on Data Locality?

A. Data on adjacent nodes will be localized.
B. VM data will remain as originally written and reads will occur across the network.
C. Active VM data will be localized
D. All VM data will be simultaneously migrated as part of the VM migration.

Correct Answer: B
Section:

QUESTION 84
Compared to a 3-tier architecture, Which two benefits does Nutanix bring to an organization?
(Choose two.)

A. Elimination of siloed storage with file, block and object storage in a single platform
B. IT complexity with outdated infrastructure, processes, and skill sets in silos
C. Ability to avoid generational infrastructure silos using modem life cycle management
D. Tedious sizing of compute and storage requirements

Correct Answer: A, C

QUESTION 85
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 additinal 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.

Correct Answer: B, D
Section:

QUESTION 86
Based on their current workload. a customer request the systems engineer to create a solution that does not exceed 80% CPU utilization when a node is placed in maintenance mode (N+0) When creating the Sizer Scenario in Automatic Mode, how can the systems engineer accomplish this?

A. Customize the CPU threshold in the scenario's sizing options.

B. Use Customize to increase the CPU Core count until the CPU utilization is 80%

C. Select a higher-end processor when defining the workload.

D. Modify the solution by adding compute only nodes to the cluster

Correct Answer: A
Section:

QUESTION 87
A prospective customer's migration to their new SAN started six months ago and is sill not complete.
The VP of IT state the previous migration to the existing SAN took almost eight months to complete.
How should the systems engineer describe Nutanix hardware refreshes to this prospective customer

A. New nodes can be added to an existing cluster. and then the old nodes can be removed.

B. Manual hardware refreshes take time, and the systems engineer understands the customer's current situation.

C. With AHV, vMotion between cluster occurs faster than on a SAN-based cluster

D. Setting in AHV node's EVC mode is a very fast process that will shorten the upgrade time

Correct Answer: A
Section:

QUESTION 88
A customer previously purchased a Nutanix solution of nine NX-3060-G7 nodes. The customer asks for help to increase the resiliency of their environment after power outages to individual racks in their datacenter Their current solution consists of two NX-3460-G7 blocks and a single NX-3160-G7 block placed in a single rack. what should the systems engineer recommend to this customer ?

A. Buy three additional NX-3060 Upgrade nodes and place them into the NX-3160 block Enable Rack Awareness

B. Move on node from each NX=3460 block over to the NX-3160 blocks. Enable Block Awareness

C. Move on node from each NX-3460 into the NX-3160 block. Spread the blocks over three racks and enable Rack Awareness

D. Buy on additional node and place it, into the NX-3160 block. Spread the blocks over three racks.
Enable Rack Awareness.

Correct Answer: C
Section:

QUESTION 89
In addition to the total number of physical CPU cores, which hardware component is used to calculate the cost of Capacity Based Licensing for a Nutanix Cluster?

A. RAW SSD storage (in TiB)

B. RAW HDD storage (in TiB)

C. RAM (in TiB)

D. RAW total storage (in TiB)

Correct Answer: A
Section:

QUESTION 90
A customer wants to evaluate the performance impact of failing a node while running workloads on the cluster. Which tool should a systems engineer use to accomplish this task?

A. demo.Nutanix.com

B. X-Ray

C. Move

D. Sizer

Correct Answer: B
Section:

QUESTION 91
A prospective customer wants to refresh their current on-premises infrastructure that. consists of 4 ESXi hosts. each with 20 cores and 512GB of RAM, and 1.2PB of usable SAN storage They have recently renewed their ESXi licensing, and all data must remain within their physical network. They are concerned that a hyperconverged solution will not meet their storage requirements without requiring a significant increase in the number of required ESXi hosts and licenses. Which Nutanix capability should the systems engineer review with the customer?

A. Replace the hypervisor with AHV

B. Build Cluster on a public cloud

C. Position storage-only nodes

D. Use Volumes to provide storage

Correct Answer: C
Section:

QUESTION 92
Using the Sizing Option shown, which two configurations are possible configurations that Sizer could provide in Automatic mode? (Choose two) ????

A. 6x NX-8055-G7 (2 x 7.68TB SSD + 10x 6TB HDD per node)

B. 4x NX-1075S-G7 (4x 3.85TB SSDs per node) + 4x NX-8035-G7 (6x 3.84TB SSD per node)

C. 3x NX-3060-G7 (2x 1920GB SSDs per node) + 3x NX-10755-G7 (4x 3.84TB SSDs per node)

D. 6x NX-3060-G7 (6x 1920GB SSDs per node)

Correct Answer: C, D
Section:

QUESTION 93
Which function does the Curator service perform?

A. Schedules snapshots
B. Start and stops other cluster services
C. Stores cluster configuration
D. Distributes storage optimization tasks

Correct Answer: D
Section:

QUESTION 94
A customer's current AHV cluster for mixed server workloads consists of 7 NX-3060-G6 nodes with intel Skylake processors spread across two blocks. Growing demand for resources requires the customer to order three additional NX-3060-G7 nodes with Intel Cascade Lake processors. Which supported approach allows the customer the most efficient use of their additional resources?

A. Create a new cluster using a new block populated by the three additional nodes.
B. Expand the cluster by fully populating the existing blocks, and adding a new block populated with two nodes
C. Expand the cluster by fully populating the existing blocks with the three additional nodes
D. Expand the existing cluster by adding a new block populated with the three additional nodes

Correct Answer: D
Section:

QUESTION 95

A. Rich analytics
B. one-click upgrades
C. enterprise class feature
D. continuous innovation

Correct Answer: B
Section:

QUESTION 96
How long must data be 'write-cold' before Erasure Coding can begin optimization?

A. 1 hours
B. 6 hours
C. 1 days
D. 7 days

Correct Answer: D

QUESTION 97

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

Correct Answer: A, B
Section:

QUESTION 98

In the event of a primary datacenter failure. a customer wants to power on virtual machines in a secondary datacenter with an RPO and RTO of no more than 15 minutes. Upon further discussions with the customer. the systems engineer (SE) finds that round trip latency between the 2 sites ca reach up to 6ms Which Nutanix feature should the SE recommend?

A. Metro Availability

B. Rack Awareness

C. NearSync

D. Fault Tolerance FT1

Correct Answer: C
Section:

QUESTION 99

A. CVM Autopathing

B. RF3

C. Data Locality

D. Shadow Clones

Correct Answer: A
Section:

QUESTION 100

A prospective customer wants to migrate database workloads to Nutanix. They are currently running these workloads on a 3-tier vSphere architecture made up of 5 hosts connected to a hybrid SAN over 10G iSCSI. The hosts each have 256G RAM and 2 Broadwell 2.8Ghz 12 core processors. The largest database VM is configured with 64G of memory. Some databases are fairly old and single threaded Current performance is deemed acceptable. Which configuration component is most important to maintain the customer experience on a new Nutanix cluster and minimize costs ?

A. Make sure the cluster uses 25G nics to speed up the network

B. Make sure the cluster uses similar speed processors regardless of generation

C. Make sure the cluster uses 512G per host to protect NUMA boundaries.

D. Make sure the cluster is all flash to speed up data access.

Correct Answer: B
Section:

QUESTION 101
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

Correct Answer: B
Section:

QUESTION 102
A customer asks for a quote for a hybrid cluster to run general purpose VMs and an ERP application.
The customer has a vSAN ReadyNode quote already and is looking for a comparable Nutanix solution. They share the following bill of materials: 3 Hosts , 2x E5-2640v4 CPUs , 512GB RAM , 1 x 480GB SSD , 2 x 8TB HDD , 2 x 1GB NIC What are two reasons to avoid sizing to match a competitor's bill of materials ? (Choose two)

A. Sizing data from the competition was shared.

B. There is no visibility to the actual customer requirement

C. The assumptions made in the competitor's sizing cannot be determined.

D. Nutanix Collector is better at capturing the metrics needed

Correct Answer: B, C
Section:

QUESTION 103
Over what period of time does the Nutanix Collector provide performance data?

A. Point in time at collection

B. Previous 24 hours

C. User definable at collection

D. Previous 7 days

Correct Answer: D
Section:

QUESTION 104
A customer intends to build out their VDI environment over a period of 18 months. They require a consistent user experience as their numbers grow. what element of the Nutanix WebScale architecture would a systems engineer discuss with them?

A. All intelligence in software

B. No single point of failure

C. Nutanix can run on multiple hardware vendor platforms

D. Linear performance with predictable scaling

Correct Answer: D
Section:

QUESTION 105

A customer is evaluating Nutanix to replace their existing 200TB filer. The filer is used to store archived images. To achieve maximum storage density. RF2 and Erasure Coding are proposed. What is the minimum number of nodes required to support the maximum Erasure Coding stripe size of 4/1 (data/parity)?

A. 4 Nodes

B. 5 Nodes

C. 6 Nodes

D. 7 Nodes

Correct Answer: A
Section:

QUESTION 106

Which tool could be used to perform a sizing discovery in a general server virtualization environment running both VMware ESXi and Nutanix AHV?

A. MAP

B. Collector

C. AWR

D. RVTools

Correct Answer: B
Section:

QUESTION 107

What are two key Nutanix value propositions? (Choose two)

A. One-Click Infrastructure Management

B. Rapid time to value

C. Highest performance across all workload types

D. Lowest initial cost than a comparable competitive HCI or 3-tier solution

Correct Answer: A, D
Section:

QUESTION 108

A systems engineer is creating a workload for a Sizer Scenario that requires Disaster Recovery (DR) resources with a Recovery Point Objective (RPO) of 6 hours. The "Protect VMs and other Entities" setting is set to Yes. Async is selected for the RPO. Which two other options must be enabled to have Sizer create a DR cluster? (Choose two)

A. Disaster Recovery

B. Backup

C. Remote Snapshot

D. NearSync

Correct Answer: A, C
Section:

QUESTION 109

A prospective customer is concerned about having a single-pane-of-glass manage their infrastructure because it also provides a single-point-of-failure. How does the Nutanix Prism architecture address this concern?

A. Prism user Linked Mode for HA

B. Prism is Deployed in a 3-node HA configuration

C. Prism is protected by RF2

D. Prism runs on every CVM

Correct Answer: D
Section:

QUESTION 110

Prospective customer explains their current infrastructure and upcoming goals. They are a fastgrowing software company with approximately 3000 employees. Engineering accounts for approximately half of total staff and is behind on product releases.
This department has been building their own infrastructure using available hardware, SaaS offerings, and public cloud.
There's a new CIO attempting to gain control of existing and incoming information systems while supporting the agile environment responsible for their rapid innovation with a minimal staff. From this information, which two addressable pain points or gaps should be discerned?(Choose two)

A. System availability issues

B. SQL Server performance issues

C. ""Shadow IT"" that increases the risk of security breaches and brand damage

D. Slow response time from the infrastructure group (SLAs) that could result in product release delays

E. significantly degraded end user experience

Correct Answer: A, D
Section:

QUESTION 111

Refer to the exhibit.
Exhibit is Missing
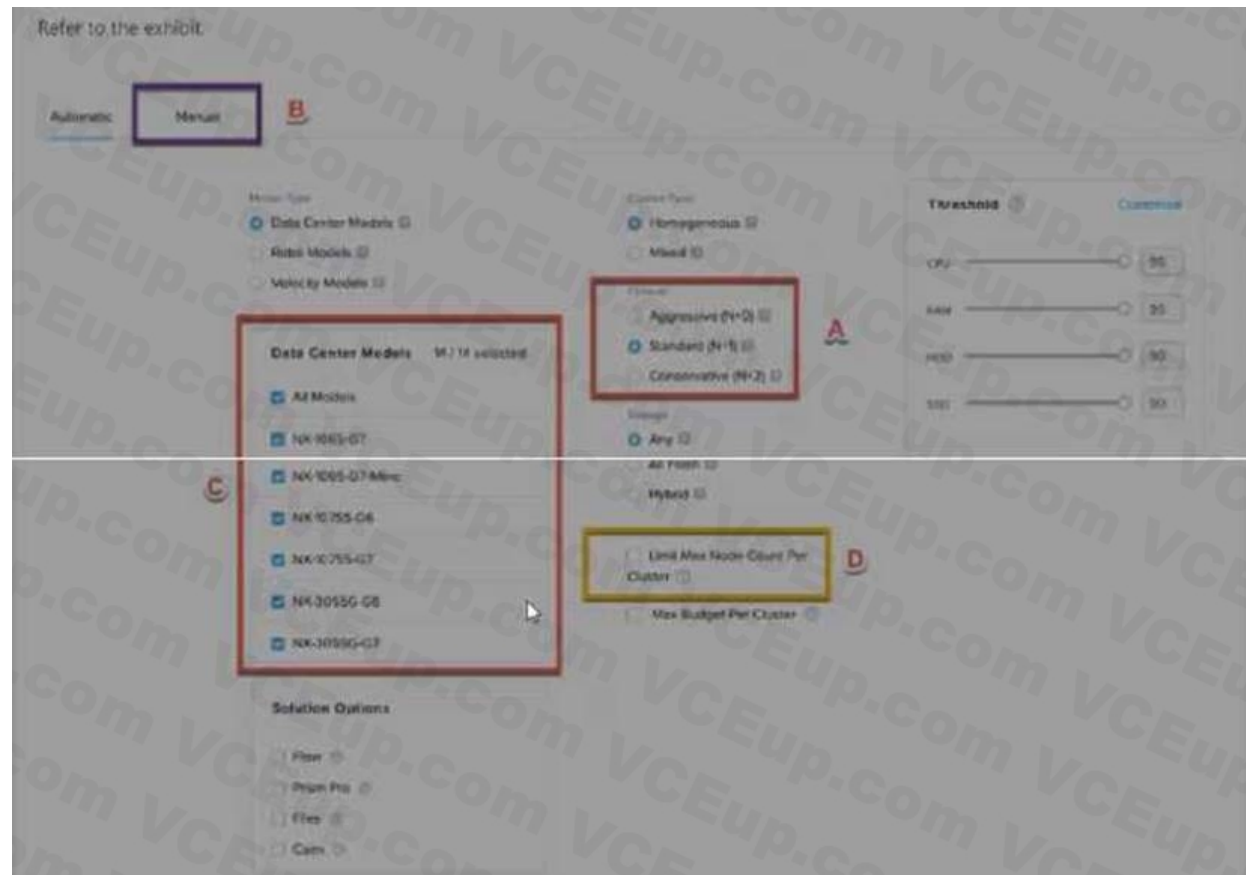Based on the Sizing scenario, what level of resiliency can be inferred about the configuration?

A. RF3

B. N+1

C. N+0

D. N+2

Correct Answer: C
Section:

QUESTION 112
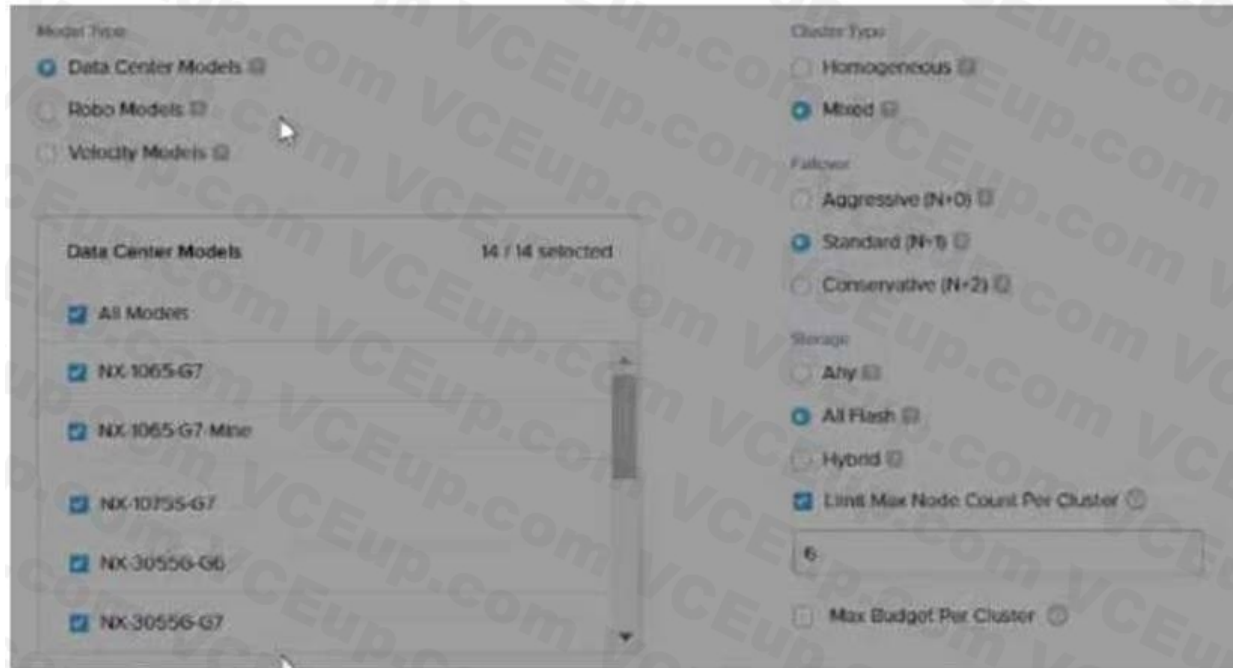
Refer to the exhibit.

Refer to the exhibit.

In Sizer, in which two ways can an SE accommodate a specific number of physical host-based software licenses that a customer has available for a project? (Choose two)

A. A
B. B
C. C
D. D

Correct Answer: B, D
Section:

QUESTION 113
Refer to the exhibit.

Using the Sizing Options shown, which two configurations are valid when using Sizer in Automatic mode?(Choose two.)

A. 6x NX-3060-G6 (6x 1920GB SSDs per node)

B. 4x NX-1065-G5 (3x 3840GB SSDs per node) + 4x NX-6035CG5(6x3840GB SSD per node)

C. 6x NX-8150-G5 (4x 1920GB SSD + 20x 2TB HDD per node)

D. 3x NX-3060-G5 (2x 1920GB SSD per node) + 3x NX-3055G (4x960GBSSD per node)

E. 6x NX-165S-G5 (3x 48GB SSD per node)

Correct Answer: A, D
Section:

QUESTION 114
A prospect has 8500GB of capacity provisioned for a non-production VMware cluster. As Part of migrating to Nutanix. the prospect agrees to convert any thick provisioned disks to thin provisioned disks. Based on additional dat a. the total active working set for the cluster has been datermined to be 1TB. When entering the Raw input workload into Sizer, what is the minimum amount of HDD Capacity required for the workload?
??

A. 3.0TiB

B. 3.5TiB

C. 4.0TiB

D. 7.5TIB

Correct Answer: A
Section:

QUESTION 115
A customer has a requirement to run a single instance Oracle Database VM on AHV that is driving over 250,000 IOPs. Which AOS feature should be positioned to deliver the highest level of performance?

A. Volume Group Load Balancer

B. Data Locality

C. Shadow Clones

D. App Mobility Fabric

Correct Answer: A
Section: