Exam Code: NCSC-LEVEL-1

Vdumps

Exam A

QUESTION 1
During a technical call with a customer, it is identified that this installation will be software only on Dell servers. The out-of-band management interfaces will not be given IP addresses until the consultant is onsite.
Which Foundation method should be used for this type of installation?

A. Bare metal using iDRAC MAC addresses.
B. Bare metal using LAN MAC addresses.
C. Bare metal using block serial numbers.
D. Bare metal using node serial numbers.

Correct Answer: A
Section:

QUESTION 2
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.

Correct Answer: D
Section:

QUESTION 3
While preparing for a new four-node cluster installation, the consultant has a Tech Review Call with the customer. The hardware is as follows:
* 4 nodes in 1 Block
* 8 x 10 GbE Ports
* 4 x 1 GbE IPMI Ports
* Adequate Ethernet ports are available
* Ethernet cables are correct and available
* Adequate rack space is available
Which remaining item must be confirmed as available onsite?

A. Crash Cart
B. Fibre Channel switches
C. Redundant 208v power
D. Redundant 110v power

Correct Answer: C
Section:

QUESTION 4

After a consultant runs Foundation, the imaging process fails.
In which two locations can the consultant find the logs? (Choose two.)

A. On the Hypervisor - /home/nutanix/foundation/logs

B. Logs link on the Foundation Imaging Screen

C. On the Foundation VM - /home/nutanix/foundation/logs

D. On the CVM - /home/Nutanix/foundation/logs

Correct Answer: B, C
Section:

QUESTION 5

A consultant creates three storage containers (container-1, container-2, container-3). The customer requires that only container-1, which will be utilized as an NFS datastore, be presented to external hosts.
However, users are able to mount all three containers.
What is causing this problem?

A. Compression was turned on for all containers.

B. A Container-level whitelist entry was configured.

C. Deduplication was turned on for all containers.

D. A Global whitelist entry was configured.

Correct Answer: D
Section:

QUESTION 6

A customer has an ESXi Cluster with two 10GbE NICs on each node with the following requirements:
* Solution must follow Nutanix Best Practices
* Network configuration should be redundant
* A vSphere Standard Switch must be utilized
Which load balancing method should be used?

A. Route based on originating port ID

B. Route based on physical NIC load

C. Route based on IP hash

D. Route based on source MAC hash

Correct Answer: A
Section:

QUESTION 7

A consultant has deployed a Nutanix cluster with AOS 5.10.x, then discovers the customer's environment is running on AOS 5.6.x. The consultant decides to re-image the cluster using the foundation Java applet. During the Foundation discovery, all cluster nodes display a status of Unavailable.
What should the consultant do to resolve the issue?

A. Use the Phoenix ISO

B. Destroy the cluster.

C. Restart the Genesis service on the cluster.

D. Reset the IPMI IP addresses.

Correct Answer: B
Section:

QUESTION 8
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

Correct Answer: A
Section:

QUESTION 9
A consultant needs to verify the make and model of the systems that will be imaged with Foundation. The consultant does not have the Bill of Materials (BOM) available to review.
When should the consultant verify the make and model to prepare for the cluster deployment?

A. During the Foundation Process

B. While conducting the Tech Review Call

C. Upon arriving on-site

D. When reviewing the Statement of Work (SOW)

Correct Answer: A
Section:

QUESTION 10
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.

Correct Answer: B
Section:

QUESTION 11
Refer to the exhibit.

Nutanix requires that all nodes of a cluster, except the AHV storage nodes, run the same hypervisor.

Due to technical limitations, when you install a new AOS, **you must install a new hypervisor as well:**

Select a hypervisor installer   Manage Whitelist · Manage ESX Files

| ESX ▼ | VMware-VMvisor-Installer-6.0.0.update03-5050593.x86_64.iso | ▲ |
| | VMware-VMvisor-Installer-6.0.0.update03-5050593.x86_64.iso | ✓ |

View existing hypervisor of each node, or select storage nodes...

A consultant is installing AOS 5.10 and ESXi 6.5 on three nodes. During the Foundation process, ESXi 6.5 is not available as one of the choices for hypervisor.
Which solution should the consultant use?

A.   Upload ESXi image to /home/Nutanix/foundation/nos/hypervisor/esx.

B.   Restart Foundation VM and refresh Foundation page.

C.   Update the Foundation whitelist from the support portal.

D.   Upload ESXi image to /home/Nutanix/foundation/isos/hypervisor/esx.

Correct Answer: D
Section:

QUESTION 12
A consultant is planning an installation and needs to collect configuration items to be used during the install. The data needed from the customer are IP addresses, Gateway, DNS servers, and NTP Servers.
Which Cluster Deployment document must be completed with the customer?

A.   Project Plan

B.   Operations Guide

C.   Questionnaire

D.   Technical Checklist

Correct Answer: D
Section:

QUESTION 13
A consultant is deploying a Nutanix cluster at a customer location. The consultant will be deploying the latest AOS along with the latest Nutanix hardware.
Which three references should the consultant review prior to this installation? (Choose three.)

A.   Release Notes

B.   Software Product Interoperability

C.   Field & Security Advisories

D.   End-Of-Life (EOL) Information

E.   Acropolis Advanced Administration Guide

Correct Answer: A, B, C

Section:

QUESTION 14
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

Correct Answer: A
Section:

QUESTION 15
A consultant is imaging a Nutanix cluster with VMware ESXi. Foundation returns an error that the media is not a supported ISO. The consultant checks the whitelist file in Foundation and confirms that the version of the ISO is not listed.
Which three actions should the consultant take to resolve this issue? (Choose three.)

A. Replace and save whitelist file in Foundation
B. Obtain the MD5 checksum of the ISO and confirm MD5 checksum of ISO is listed.
C. Download the iso_whitelist.json from the Support portal.
D. Edit the whitelist file in Foundation.
E. Restart the imaging process in Foundation.

Correct Answer: A, B, C
Section:

QUESTION 16
To prepare for a new Nutanix installation, a consultant downloads the Foundation VM, imports the VM to their Desktop Virtualization Solution, and powers on the VM. The IPv4 static address on the host workstation and the Foundation VM have been configured, but pings between them fail.
Which two troubleshooting steps should the consultant perform? (Choose two.)

A. Remove and re-import the Foundation VM to ensure the virtual NIC is set to Host-Only.
B. Verify the virtual NIC in the Foundation VM is bound to the correct physical Host adapter.
C. Confirm the IP addresses and subnet masks are correct.
D. Verify the virtual NIC in the Foundation VM is bound to the correct wireless network adapter.

Correct Answer: B, C
Section:

QUESTION 17
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

Correct Answer: B
Section:

QUESTION 18
Refer to the exhibit.

4 nodes were discovered using IPv6 LAN broadcast.   Retry Troubleshoot

Select the nodes you want to handle, and enter the IP/hostnames you want them to have.   Tools ⌄

BLOCK SERIAL	☑ NODE	IPMI IP	HOST IP	CVM IP	HOSTNAME OF HOST
		10.100.9.181	10.100.9.161	10.100.9.171	Autofill Here
18FM3E430027 (NX-8035-G6)	☑ A	10.100.9.181	10.100.9.161	10.100.9.171	RW-P-NX1A
	☑ B	10.100.9.182	10.100.9.162	10.100.9.172	RW-P-NX1B
18FM3E430018 (NX-8035-G6)	☑ A	10.100.9.183	10.100.9.163	10.100.9.173	RW-P-NX2A
	☑ B	10.100.9.184	10.100.9.164	10.100.9.174	RW-P-NX2B

Select the nodes you want to handle, and enter the IP/hostnames you want them to have.   Tools ⌄

BLOCK SERIAL	☑ NODE	IPMI IP	HOST IP	CVM IP	HOSTNAME OF HOST
		10.100.9.181	10.100.9.161	10.100.9.171	Autofill Here
18FM3E430027 (NX-8035-G6)	☑ A	10.100.9.181	10.100.9.161	10.100.9.171	RW-P-NX1A
	☑ B	10.100.9.182	10.100.9.162	10.100.9.172	RW-P-NX1B
18FM3E430018 (NX-8035-G6)	☑ A	10.100.9.183	10.100.9.163	10.100.9.173	RW-P-NX2A
	☑ B	10.100.9.184	10.100.9.164	10.100.9.174	RW-P-NX2B

A system administrator is using Range-Autofill tool to assign IP addresses to setup a multi-block cluster based on the following configuration:

Block Serial #	Node ID	Hypervisor Host Name (FQDN)	Hypervisor Mgmt IP	IPMI IP	CVM IP
18GM3E430018	A	RW-P-NX1A	10.100.9.161	10.100.9.181	10.100.9.171
	B	RW-P-NX1B	10.100.9.162	10.100.9.182	10.100.9.172
18GM3E430027	A	RW-P-NX2A	10.100.9.163	10.100.9.183	10.100.9.173
	B	RW-P-NX2B	10.100.9.164	10.100.9.184	10.100.9.174

Block Serial #	Node ID	Hypervisor Host Name (FQDN)	Hypervisor Mgmt IP	IPMI IP	CVM IP
18GM3E430018	A	RW-P-NX1A	10.100.9.161	10.100.9.181	10.100.9.171
	B	RW-P-NX1B	10.100.9.162	10.100.9.182	10.100.9.172
18GM3E430027	A	RW-P-NX2A	10.100.9.163	10.100.9.183	10.100.9.173
	B	RW-P-NX2B	10.100.9.164	10.100.9.184	10.100.9.174

Which additional changes must be made during the Foundation process to configure the cluster correctly?

A. Change host names
B. Reorder block serial
C. Change IP address
D. Reorder blocks

Correct Answer: A

Section:

QUESTION 19
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.

Correct Answer: C
Section:

QUESTION 20
A consultant is viewing an ESXi host via console without external network connectivity.
Which two IP addresses can be used to connect to the CVM (Choose two.)

A. 192.168.5.253
B. 192.168.5.2
C. 192.168.5.254
D. 192.168.5.1

Correct Answer: B, C
Section:

QUESTION 21
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 where 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.

Correct Answer: B
Section:

QUESTION 22
A consultant successfully installs the Foundation VM on a laptop and needs to ensure the VM can communicate externally.
Which two configuration changes should the consultant make next? (Choose two.)

A. Ensure the vNIC is set to bridged adapter.
B. Configure the static IP address through the desktop virtualization software.
C. Open terminal and configure via ifconfig command.
D. Run the set_foundation_ip_address application on the VM desktop.

Correct Answer: A, D
Section:

QUESTION 23
A consultant is setting up a new vSphere cluster. Customer requirements are as follows:
* VMs should automatically failover to another host if the host crashes * Host CPU and Memory resources should be evenly balanced * New VMs should be placed on the host with the most resources available Which two settings should be turned on to meet the requirements? (Choose two.)

A. vShpere DRS
B. vSphere HA
C. vSphere vMotion
D. vSphere Power Management

Correct Answer: A, B
Section:

QUESTION 24
A consultant configures an ESXi cluster which will utilize a vSphere Distributed Switch (vDS). The consultant has just migrated the first host to the dvSwitch when several alerts appear within Prism Element regarding Host-to-CVM connectivity.
What is causing these alerts?

A. The consultant migrated the CVM Backplane and VM network adapter over to the vDS.
B. The consultant migrated the CVM svm-iscsi-pg network adapter over to the vDS.
C. The consultant migrated the CVM Backplane network adapter over to the vDS.
D. VLAN tags are incorrectly configured on the vDS port groups.

Correct Answer: C
Section:

QUESTION 25
Which Nutanix feature creation is described in the Knowledge Transfer?

A. Calm Blueprints
B. REST API
C. Self Service Portal
D. Data Protection Domain

Correct Answer: D
Section:

QUESTION 26
A consultant is unable to install virtualization software on a laptop.
Which two versions of Foundation can be used to resolve this issue? (Choose two.)

A. Foundation VM
B. Foundation Portable
C. Foundation Central

D. Foundation Applet

Correct Answer: B, D
Section:

QUESTION 27
Refer to the exhibits.

Nutanix Node	Node Network Port	Patch Panel Port	Switch Name & Port
A	10GE port 1	E1/19	TOS-HQ-N5K-1
	10GE port 2	E1/19	TOS-HQ-N5K-2

Nutanix Node	Node Network Port	Patch Panel Port	Switch Name & Port
A	10GE port 1	E1/19	TOS-HQ-N5K-1
	10GE port 2	E1/19	TOS-HQ-N5K-2

A consultant is trying to test port failover on the node shown in the first exhibit. A continuous ping test is performed to the host. The consultant shuts down one of the links, after which the host ping request times out. The consultant tries to troubleshoot the issue with the customer and sees the information shown in the second exhibit on their Cisco Switches:

TOS-HQ-N5K-1

Interface Ethernet1/17
  switchport mode trunk
  switchport trunk allow vlan 7-9

Interface Ethernet1/18
  switchport access vlan 8

Interface Ethernet1/19
  switchport mode trunk
  switchport trunk native vlan 3

Interface Ethernet1/20
  switchport mode trunk
  switchport trunk allow vlan 9

Interface Ethernet1/21
  switchport mode trunk
  switchport trunk native vlan 7

TOS-HQ-N5K-2

Interface Ethernet1/18
  switchport access vlan 8

Interface Ethernet1/19
  switchport mode trunk
  switchport trunk native vlan 9

Interface Ethernet1/20
  switchport mode trunk
  switchport trunk allow vlan 3

Interface Ethernet1/21
  switchport mode trunk
  switchport trunk allow vlan 7

Interface Ethernet1/22
  switchport mode trunk
  switchport trunk native vlan 7-9

TOS-HQ-N5K-1

Interface Ethernet1/17
  switchport mode trunk
  switchport trunk allow vlan 7-9

Interface Ethernet1/18
  switchport access vlan 8

Interface Ethernet1/19
  switchport mode trunk
  switchport trunk native vlan 3

Interface Ethernet1/20
  switchport mode trunk
  switchport trunk allow vlan 9

Interface Ethernet1/21
  switchport mode trunk
  switchport trunk native vlan 7

TOS-HQ-N5K-2

Interface Ethernet1/18
  switchport access vlan 8

Interface Ethernet1/19
  switchport mode trunk
  switchport trunk native vlan 9

Interface Ethernet1/20
  switchport mode trunk
  switchport trunk allow vlan 3

Interface Ethernet1/21
  switchport mode trunk
  switchport trunk allow vlan 7

Interface Ethernet1/22
  switchport mode trunk
  switchport trunk native vlan 7-9

What is causing the issue?

A. There is a Native VLAN mismatch on the switchport.
B. The wrong VLAN is tagged on the host.
C. Bad SPF+ cables are on the active interface.
D. PortFast is not enabled on the port connected to the host.

Correct Answer: A
Section:

QUESTION 28

A customer would like to re-image an existing cluster. The Foundation Applet and Foundation VM is unavailable to them.
How can the consultant access Foundation-as-a-Service (FaaS)?

A. Through <cluster-IP> :9443

B. Through <cluster-IP> :8000

C. Through <CVM-IP> :9443

D. Through <CVM-IP> :8000

Correct Answer: D
Section:

QUESTION 29

A consultant is deploying a two-node cluster at a remote branch office.
Which component must be available to complete cluster configuration?

A. Prism Central

B. Witness VM

C. Remote Site

D. Protection Domain

Correct Answer: B
Section:

QUESTION 30

A consultant is installing Nutanix AOS on Cisco UCS.
Which method should be used to install AOS on UCS hardware platforms?

A. Foundation Central

B. Foundation Applet

C. Foundation VM

D. Foundation as a Service

Correct Answer: C
Section:

QUESTION 31

In a 20-node ESXi deployment, the customer needs additional resiliency to survive the loss of two nodes concurrently.
Which configuration should the consultant use to ensure that the appropriate resources are available?

A. Storage reservation for 10%; HA admission control for 10%, cluster RF3

B. Storage reservation for 5%; HA admission control for 5%, cluster RF2

C. Storage reservation for 5%; HA admission control for 5%, cluster RF3

D. Storage reservation for 10%; HA admission control for 10%, cluster RF2

Correct Answer: A
Section:

QUESTION 32
A consultant is running the Foundation VM using desktop virtualization software. No nodes are discovered.
What should the consultant verify first?

A. NAT
B. Host-only Adapter
C. Bridged Adapter
D. Internal Network

Correct Answer: C
Section:

QUESTION 33
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?

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

Correct Answer: C
Section:

QUESTION 34
A consultant creates a Windows VM after installing a new Nutanix cluster running AHV. The consultant has statically assigned an IP address to the VM but it is unable to communicate on the network.
Which action should the consultant take to resolve this issue?

A. Confirm that IPv6 is enabled on the guest VM.
B. Confirm that the VM vNIC is tied to the correct VLAN in Prism Element.
C. Mount and install the Nutanix Guest Tools.
D. Set a Group Policy to make sure the Windows Firewall is disabled.

Correct Answer: B
Section:

QUESTION 35
A customer needs to meet the following requirements for their business critical application:
* SQL Servers must be on specific hosts to lower licensing costs.
* Oracle RAC servers must be on separate hosts for licensing reasons
Which policy or policies should be implemented to meet these requirements?

A. Configure VM-VM anti-affinity policy.
B. Configure VM-VM affinity policy.
C. Configure both VM-Host and VM-VM affinity policy.

D. Configure VM-Host affinity policy.

Correct Answer: D
Section:

QUESTION 36
For a new AHV cluster installation, a customer has 20 NX-8155-G6 nodes with quad port SFP NICs.
The customer wants to meet the following guidelines:
* Take advantage of all available 10GbE links
* Achieve maximum throughput per VM
* Use of redundant ToR switches
* Fastest reconvergence during link failure
How should the load balancing be configured on the host?

A. ovs-vsctl set port br0-up bond_mode=balance-slb ovs-vsctl set port br0-up other_config:bond-rebalance-interval=30000 ovs-vsctl set port br0 tag=10

B. ovs-vsctl set port br0-up bond_mode=active-backup ovs-vsctl set port br0-up other_config:bond-rebalance-interval=30000

C. ovs-vsctl set port br0-up bond_mode=balance-slb

D. ovs-vsctl set port br0-up other_config:lacp-fallback-ab=true ovs-vsctl set port br0-up lacp=active ovs-vsctl set port br0-up bond_mode=balance-tcp

Correct Answer: A
Section:

QUESTION 37
Where in the Support Portal is the Best Practices guide for vSphere Networking located?

A. Product Notices

B. Solutions Documentation

C. Software Documentation

D. Knowledge Base

Correct Answer: B
Section:

QUESTION 38
A consultant needs to review a customer's switch port configuration to identify any issues. Other customer requirements are as follows:
* Leverage LACP
* Native VLAN will not be used
* Use Multiple Upstream switches
* Use VLANs 20-25 and 30
* LACP Fallback has been Enabled
* vPC or MLAG has been configured
What must be included in a configuration in order to meet these requirements?

A.
    Native VLAN set to default
    Ports trucked to allow all necessary VLANs

B.
    Native VLAN set to default

Ports in access mode to allow all necessary VLANs

C.

Native VLAN set to 30
Ports Trunked to allow all necessary VLANs

D.

Native VLAN set to 30
Ports in access mode to allow all necessary VLANs

Correct Answer: A
Section:

QUESTION 39
Which two components must be identified to validate that software compatibility requirements are met for Nutanix Cluster Installation? (Choose two.)

A. Guest OS
B. AOS
C. Firmware
D. Hypervisor

Correct Answer: B, D
Section:

QUESTION 40
Which subnet is reserved for internal connectivity within a Nutanix Cluster?

A. 192.168.5.0/24
B. 192.168.254.0/24
C. 192.168.5.0/23
D. 192.168.5.0/26

Correct Answer: A
Section:

QUESTION 41
What reference materials should be provided to the customer during the Knowledge Transfer?

A. Questionnaire, technical slides and checklist, links to documentation and resources
B. As-Built Guide, technical slides and checklist, Network Diagram
C. As-Built Guide, Project Plan, links to documentation and resources
D. As-Built Guide, technical slides and checklist, links to documentation and resources

Correct Answer: D
Section:

QUESTION 42
A consultant is planning a new cluster installation and needs to locate the Shared IPMI port for each of the specific nodes that the customer has bought.
Which Support Portal location contains the document that would identify the port?

A. Solutions Documentation

B. Hardware Replacement Documentation

C. Software Documentation

D. Knowledge Base

Correct Answer: B
Section:

QUESTION 43
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.

Correct Answer: C
Section: