



**EMC**

## **Exam Questions DES-6322**

Specialist - Implementation Engineer-VxRail Exam

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#### NEW QUESTION 1

An implementation engineer needs to validate the VxRail network configuration. Where can they obtain the NVT for VxRail?

- A. Dell Technologies Central
- B. Dell Technologies Information Hub
- C. Dell VxRail Expert Channel
- D. Dell VxRail Fast Pass

**Answer:** A

#### NEW QUESTION 2

An infrastructure system audit will begin in two weeks. All data center devices will be checked to ensure they contain the installed patches and configurations. A system engineer will update the VxRail hosts with the latest patches and remediate security vulnerabilities.

What troubleshooting resource can a user receive from Dell and use proactively to help perform the remediation tasks?

- A. KB articles
- B. SolVe Online
- C. Log files
- D. Advisories

**Answer:** C

#### NEW QUESTION 3

A VxRail cluster 4.7.xxx environment is managed by the internal vCenter Server. An implementation engineer plans to deploy a new VxRail cluster using the existing vCenter Server instance, then use the customer-supplied VDS to manage both VxRail clusters.

What must be done?

- A. Migrate the internal vCenter Server to an external vCenter Server, then merge the PSC
- B. Upgrade the VxRail version from 4.7.xxx to 7.0.000
- C. Migrate the internal vCenter Server to an external vCenter Server, then upgrade the VxRail 4.7.xxx to 7.0.100
- D. Upgrade the internal vCenter Server to version 7.0

**Answer:** B

#### NEW QUESTION 4

An implementation engineer is deploying a new VxRail cluster. What should they confirm before installing the hardware?

- A. Service laptop must be on the same IP network as the iDRACs
- B. At least 36 in (92 cm) clearance exists in front of and behind the cabinet
- C. Power distribution must support the power rating of a single node
- D. Single power zone must be used with adequate power cables

**Answer:** C

#### NEW QUESTION 5

Where can an administrator find steps to perform a manual verification of the customer network?

- A. Customer Simplified Form
- B. Dell EMC VxRail Network Planning Guide
- C. Pre-Engagement Questionnaire (PEQ)
- D. Dell Technologies SolVe Online

**Answer:** D

#### NEW QUESTION 6

For which VxRail models must the iDRAC NIC Selection be set to Dedicated?

- A. D, G, P, S, and V Series
- B. E, P, S, and V Series only
- C. D, E, P, S, and V Series
- D. D, E, and G Series

**Answer:** D

#### NEW QUESTION 7

What is validated by running the Proactive VM Creation test in vCenter on a VxRail cluster?

- A. vSAN operates successfully
- B. Network firewalls are configured correctly
- C. vSAN has sufficient storage capacity
- D. Network performance is sufficient

**Answer:** D

NEW QUESTION 8

Match each component of the VxRail HCI System Software to its description.

Software Component	Description
Local Cluster Management	Uses a database and a message queue to facilitate the necessary sequence of transactions for automation and orchestration of processes
Backend and Downstream APIs	Provides communication to the components that make up a vSAN cluster
SmartFabric Services	Provides automated network provisioning capabilities to the VxRail management platform
Upstream APIs	Built to provide simplified management experience and the services are exposed using REST APIs for SDDC solutions
VMware Connectors	Provides a subset of the capabilities such as Lifecycle Management and Cluster Operations services

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Software Component	Description
Local Cluster Management	Backend and Downstream APIs
Backend and Downstream APIs	Local Cluster Management
SmartFabric Services	Upstream APIs
Upstream APIs	SmartFabric Services
VMware Connectors	VMware Connectors

NEW QUESTION 9

Which command can be used from the VxRail Manager VM to restart the loudmouth daemon?

- A. systemctl restart loudmouth
- B. /usr/lib/vmware/loudmouth/bin/loudmouthd restart
- C. /etc/init.d/loudmouth restart
- D. systemctl restart vmware-loudmouth

Answer: D

NEW QUESTION 10

An implementation engineer is deploying a new VxRail cluster What should they confirm before installing the hardware?

- A. At least 24 in (61 cm) of clearance exists in front of and behind the cabinet
- B. Redundant power zones exist with adequate power cables
- C. Power distribution supports only the power rating of a single node
- D. Service laptop is on the same IP network as the iDRACs

Answer: B



#### NEW QUESTION 10

During the activation of Internal SRS, the implementation engineer receives a message that the deployment has failed What is a possible cause?

- A. SRS VE Gateway on the same subnet as the VxRail Manager
- B. VxRail status already set to installed' in IB database
- C. Site ID mismatch between the IB database and the SRS Wizard
- D. Witness Gateway not configured following Dell best practices

**Answer:** A

#### NEW QUESTION 13

Which requirement must be met when expanding a 3-node VxRail G560F cluster with a fourth G Series node in the same chassis?

- A. PCIe network card must be added to all nodes
- B. Node requires only the same drive configuration
- C. Node hardware must be identical to the other three nodes
- D. New node must be at the same VxRail version as existing nodes

**Answer:** B

#### NEW QUESTION 18

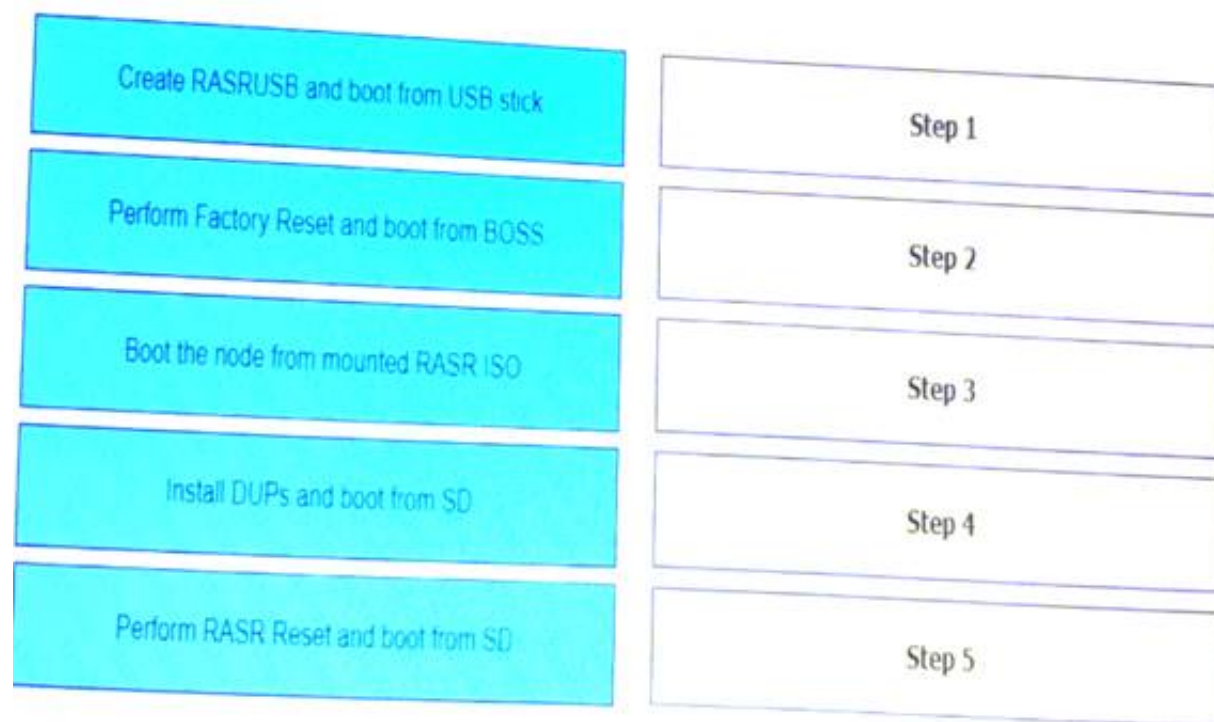
What is a difference between vSAN Data-In-Transit Encryption and vSAN Data-At-Rest-Encryption?

- A. Data-In-Transit Encryption: Encrypts traffic between VMs and the VxRail nodes Data-At-Rest Encryption: Encrypts traffic between VxRail nodes only
- B. Data-In-Transit Encryption: Does not require a Key Management Server Data-At-Rest Encryption: Requires a Key Management Server
- C. Data-In-Transit Encryption: Key Management Server must reside on the vSAN cluster Data-At-Rest Encryption: Key Management Server can reside on the vSAN cluster
- D. Data-In-Transit Encryption: Addresses fear of media theftData-At-Rest Encryption: Addresses fear of rogue administrators

**Answer:** A

#### NEW QUESTION 21

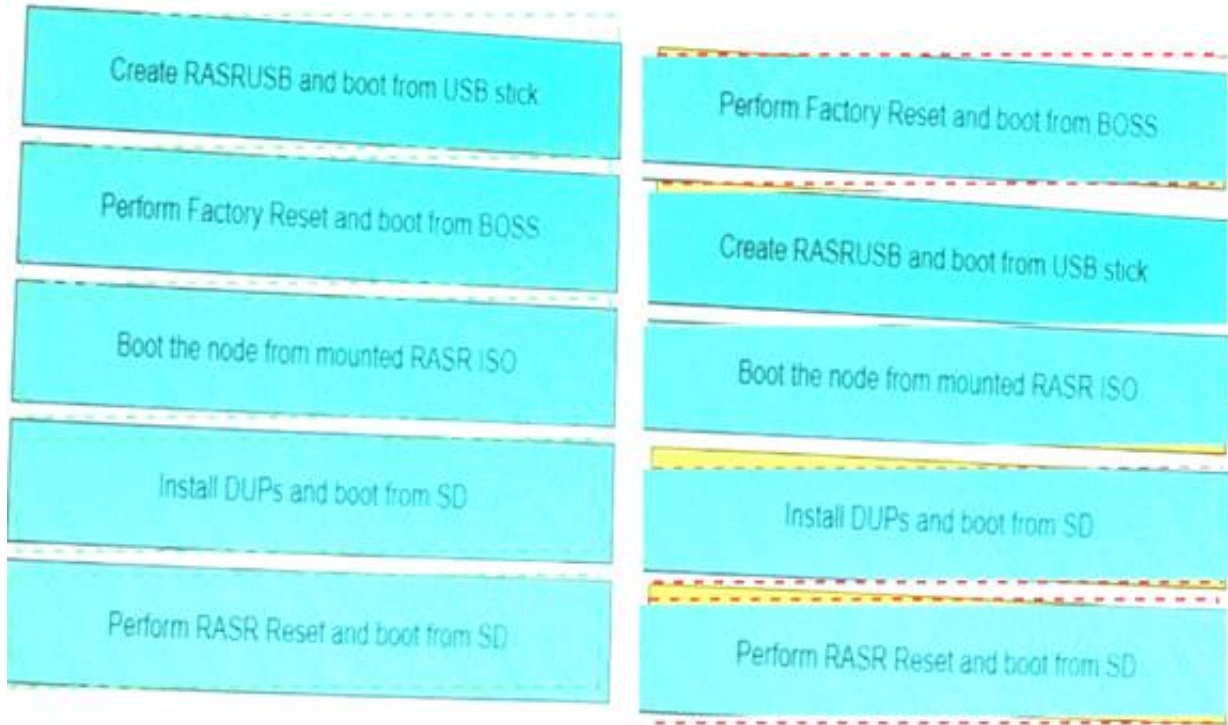
A VxRail E560F model was delivered six months ago and is now scheduled to be installed with the target code. What is the correct order of steps to complete this task?



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 22**

Once a VxRail cluster has been acquired, what is the correct sequence of steps to deploy it?

Configure the cluster	Step 1
Conduct project kick-off meeting	Step 2
Validate customer readiness	Step 3
Gather and document customer configuration requirements	Step 4
Install VxRail hardware	Step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

	Gather and document customer configuration requirements
	Validate customer readiness
	Conduct project kick-off meeting
	Install VxRail hardware
	Configure the cluster

**NEW QUESTION 25**

A VxRail 7.0.100 environment is managed by the internal vCenter Server. The customer asks the implementation engineer to deploy a new VxRail cluster using the existing vCenter Server.  
What should the response of the engineer?

- A. Not supported for internal vCenter Server
- B. Not supported on VxRail software 7.0.100
- C. Supported by neither the internal vCenter Server nor external vCenter Server
- D. Only supported on VxRail software 4.7.xxx

**Answer:** D

**NEW QUESTION 30**

Which service determines the primary node after powering on the VxRail nodes during the deployment of a VxRail cluster?

- A. Loudmouth
- B. Election
- C. Marvin
- D. Mystic

**Answer:** C

**NEW QUESTION 33**

What is a consideration when adding nodes to a VxRail G Series chassis?

- A. G560 and G410 nodes are permitted in the same chassis
- B. In a full G Series chassis, all nodes must have 10GbE ports
- C. Hybrid and All-Flash nodes are permitted, if in different chassis
- D. All nodes in a G Series chassis must be identical

**Answer:** D

**NEW QUESTION 38**

Match each IDRAC Maintenance page tab to its description.

Tab	Description
Diagnostics	Displays server and user events
Lifecycle Log	Displays previously scheduled tasks, pending, and current events
Job Queue	Displays the last three boot captures
SupportAssist	Allows soft resets of iDRAC
Troubleshooting	Runs a detailed report on the server

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



Tab	Description
Diagnostics	Lifecycle Log
Lifecycle Log	Diagnostics
Job Queue	Job Queue
SupportAssist	Troubleshooting
Troubleshooting	SupportAssist

#### NEW QUESTION 43

When preparing to generate an As-Built Configuration Report, it is determined that the VxRail Configuration JSON file was not saved from the Deployment Wizard. What actions must be taken to retrieve the JSON file?

- A. SSH to the VxRail Manager VM with the mystic user SU to rootGo to the /opt/VxRail/config directorySCP the initial-config json file to a local location
- B. Log in to vCenter with the vSphere Client with the vCenter Server Management user Go to Monitor > VxRail > Last Configuration Data SentUse the Download option
- C. Open an FTP connection to the VxRail Manager VM with the mystic user Go to the /var/lib/vmware-marvin directoryGET the config-initial json file
- D. Log in to vCenter with the vSphere Client with the vCenter Administration user Go to Configure > VxRail > SystemUse the Product Documentation option

**Answer: B**

#### NEW QUESTION 47

An implementation engineer is in the validation phase of a VxRail deployment with two Dell EMC ToR switches. Which command should they run on each of the ToR switches to validate that Link Aggregation has been configured according to Dell best practices for VxRail node interfaces?

- A. show network-policy profile
- B. show interface status
- C. show port-channel summary
- D. show interface

**Answer: A**

#### NEW QUESTION 49

What data protection option is included with VxRail?

- A. vSphere Replication NetWorker
- B. PowerProtect Software Data Domain Cloud Tier
- C. RecoverPoint for VM vSphere Replication
- D. RecoverPoint for VM Avamar

**Answer: C**

#### NEW QUESTION 54

What environmental components of a 3-node VxRail cluster must be assigned IP addresses?

- A. ESXi Mgmt, vCenter, Witness Traffic Separation, and iDRAC
- B. vRealize Log Insight
- C. vSAN, VxRail Manager, and SRS
- D. vSAN, Witness Traffic Separation, vRealize Log Insight, and vMotion
- E. ESXi Mgmt, vSAN, vMotion, and iDRAC

**Answer: D**

#### NEW QUESTION 56

What is the correct sequence of steps to perform a RASR Factory Reset using an SD card?



Boot the node from the internal SD card	Step 1
Acknowledge the Warning and Caution messages, then type "Disconnected" to proceed	Step 2
Access iDRAC and launch virtual console to the VxRail node	Step 3
Quit the RASR menu and reboot the system	Step 4
Select F – Factory Reset in the RASR Menu	Step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

	Access iDRAC and launch virtual console to the VxRail node
	Quit the RASR menu and reboot the system
	Acknowledge the Warning and Caution messages, then type "Disconnected" to proceed
	Boot the node from the internal SD card
	Select F – Factory Reset in the RASR Menu

NEW QUESTION 59

An implementation engineer is expanding an existing VxRail E Series cluster with an additional node The version of the node is not at the current cluster level and is not compatible  
What action must be performed before adding the node?

- A. Order node with correct image
- B. RASR Factory Reset
- C. RASR Factory Image Upgrade
- D. Compute node expansion

Answer: A

NEW QUESTION 62

What is the maximum number of supported nodes for a VxRail cluster running on a 1 GbE network?

- A. 4
- B. 5
- C. 16
- D. 32

Answer: C

NEW QUESTION 63

A customer has decided that they will be using the Spanning Tree protocol in their Dell EMC ToR switches How should the switch ports used for VxRail be

configured to achieve a successful deployment?

- A. Set the port type to edge
- B. Enable link aggregation for all ports
- C. Set the port mode to access
- D. Enable MLD snooping and querier

**Answer:** A

#### NEW QUESTION 68

What is the recommended format for host names when using the VxRail Deployment Wizard for an External vCenter solution?

- A. FQDN for vCenter Server/Host name for VxRail Manager
- B. Host name for both vCenter Server and for VxRail Manager
- C. FQDN for both vCenter Server and for VxRail Manager
- D. Host name for vCenter Server FQDN for VxRail Manager

**Answer:** A

#### NEW QUESTION 73

From what location should NVT for VxRail be run?

- A. Jump server on a different network
- B. Workstation on the same network as VxRail Manager
- C. VxRail network Top of Rack switch
- D. Laptop connected to the first VxRail ESXi node

**Answer:** B

#### NEW QUESTION 78

A VxRail D560 cluster was delivered six months ago and now needs to be prepared for installation with the target code. What is the correct method to complete the task?

- A. Boot into RASR ISO and perform a RASR Reset
- B. Boot into RASR USB and perform a RASR Reset
- C. Boot into SD card and perform a Factory Reset
- D. Boot into RASR ISO and perform a Factory Reset

**Answer:** A

#### NEW QUESTION 81

A company needs to enable vSphere GPU capabilities on their VxRail cluster. To do so, they need to purchase a specific entitlement. What licensing satisfies this requirement?

- A. vSphere Enterprise Plus
- B. vSAN Enterprise Plus Edition
- C. vSAN Advanced Edition
- D. vSphere Standard

**Answer:** B

#### NEW QUESTION 85

According to the VxRail PEQ Engagement Details worksheet, links to what resources should the SE send to the customer?

- A. VxRail vCenter Server Planning Guide Network Validation Tool
- B. VxRail vCenter Server Planning Guide VxRail Network Planning Guide
- C. VxRail QuickStart Guide VxRail Network Planning Guide
- D. VxRail QuickStart Guide Network Validation Tool

**Answer:** D

#### NEW QUESTION 87

The VxRail Deployment Wizard is being used on a VxRail cluster with a customer-supplied VDS. Which settings must be used to ensure successful installation?

- A. Use the VxRail vCenter Server Upload a configuration file (JSON)
- B. Join an external vCenter Server Use the step-by-step method
- C. Use the VxRail vCenter Server Use the step-by-step method
- D. Join an external vCenter Server Upload a configuration file (JSON)

**Answer:** C

#### NEW QUESTION 90

According to Dell best practices, which VxRail series can be deployed in either datacenters or remote locations?

- A. D Series

- B. V Series
- C. G Series
- D. E Series

**Answer:** D

#### NEW QUESTION 92

An implementation engineer is working with a customer to prepare an external vCenter Server for a new VxRail deployment with the VxRail-deployed VDS. What vCenter objects must exist for a successful VxRail deployment?

- A. Cluster and VxRail Management user only
- B. Datacenter Cluster, and VxRail Management user
- C. Datacenter and Cluster only
- D. Datacenter and VxRail Management user only

**Answer:** D

#### NEW QUESTION 93

In a VxRail Stretched Cluster deployment of 8 nodes on between sites?

- A. Primary to Witness site RTT: < 250 ms Secondary to Witness site RTT; < 250 ms Primary to Secondary site RTT: < 5 ms
- B. Primary to Witness site RTT: < 150 ms Secondary to Witness site RTT: < 150 ms Primary to Secondary site RTT: < 10 ms
- C. Primary to Witness site RTT: < 200 ms Secondary to Witness site RTT: < 200 ms Primary to Secondary site RTT: < 5 ms
- D. Primary to Witness site RTT: < 200 ms Secondary to Witness site RTT < 200 ms Primary to Secondary site RTT: < 10 ms

**Answer:** B

#### NEW QUESTION 97

An implementation engineer places a VxRail node into maintenance mode using the Ensure accessibility setting What is the engineer likely planning to do?

- A. Extensive maintenance
- B. Temporary maintenance
- C. Permanent removal of host from cluster
- D. Shutdown of an entire cluster

**Answer:** A

#### NEW QUESTION 100

From what environment must a network administrator run VxRail network validation?

- A. Windows PowerShell command prompt
- B. Same subnet as VxRail Management Network
- C. Top of Rack switches
- D. VxRail Deployment Wizard

**Answer:** C

#### NEW QUESTION 104

Which vSAN rules are configured for the VXRAIL-SYSTEM-STORAGE-PROFILE?

- A. Failures to tolerate - 2 failures RAID-1 (Mirroring) Object space reservation - Thin provisioning
- B. Failures to tolerate - 1 failure RAID-1 (Mirroring) Object space reservation - Thin provisioning
- C. Failures to tolerate - 1 failure RAID-1 (Mirroring) Object space reservation - Thick provisioning
- D. Failures to tolerate - 1 failure RAID-5 (Erasure Coding) Object space reservation - Thick provisioning

**Answer:** A

#### NEW QUESTION 105

Which vSAN feature requires an All-Flash cluster?

- A. Deduplication and compression
- B. Data-at-Rest Encryption
- C. Data-in-Transit Encryption
- D. Storage Policy Based Management

**Answer:** A

#### NEW QUESTION 107

What are the requirements for a customer-supplied VDS in a VxRail deployment?

- A. 4 or 8 uplinksPort groups for Discovery, Management, vMotion, and vSAN only
- B. 2 or 4 uplinksPort groups for Discovery, Management, vMotion, and vSAN only
- C. 2 or 4 uplinksPort groups for Discovery, Management vCenter Server, vMotion, and vSAN
- D. 4 or 8 uplinksPort groups for Discovery, Management, vCenter Server, vMotion, and vSAN



**Answer:** D

#### NEW QUESTION 109

For which typical activity would the Full data migration setting be used when placing a VxRail host into maintenance mode?

- A. Temporary maintenance
- B. Rebooting a single ESXi host
- C. Shutting down an entire cluster
- D. Permanently removing host from cluster

**Answer:** A

#### NEW QUESTION 112

Which VxRail model(s) has a non-mirrored IDSMD?

- A. D560/F
- B. All G Series
- C. S570
- D. All E Series

**Answer:** B

#### NEW QUESTION 114

An implementation engineer is deploying a VxRail cluster with the VxRail Deployment Wizard Which user accounts must be defined for VxRail Manager?

- A. VxRail Manager root account vCenter service account
- B. VxRail Manager root account VxRail Manager service account
- C. VxRail Manager service account vCenter service account
- D. vCenter root account VxRail Manager service account

**Answer:** B

#### NEW QUESTION 118

What is a benefit of using the VxRail REST API?

- A. Remote upgrades of iDRAC related software only
- B. Automated security audit of VxRail clusters
- C. Automated log collection for VxRail clusters
- D. Polling for vSAN performance statistics

**Answer:** C

#### NEW QUESTION 122

What is the maximum number of supported nodes in a VxRail Stretch Cluster?

- A. 16
- B. 30
- C. 32
- D. 64

**Answer:** B

#### NEW QUESTION 127

A VxRail Manager VM must be configured as follows:

- \* IP address: 192.168.10.16
- \* Net mask: 255.255.255.0
- \* Gateway: 192.168.10.254 Which command must be used?

- A. vxrail-network-config --ip 192.168.10.16-netmask 255.255.255.0-gateway 192.168.10.254
- B. vxrail-prrmay -config --ip 192.168.10.16 -netmask 255.255.255.0 -gateway 192.168.10.254
- C. vxrail-primary -config --vxrail-address 192.168.10.16 --vxrail-netmask 255.255.255.0 -vxrail-gateway 192.168.10.254
- D. vxrail-network -config --vxrail-address 192.168.10.16 --vxrail-netmask 255.255.255.0 --vxrail-gateway 192.168.10.254

**Answer:** C

#### NEW QUESTION 129

What code is returned when a VxRail API request is executed successfully?

- A. 200
- B. 207
- C. 400
- D. 500

**Answer:** A

#### NEW QUESTION 133

What guideline should be followed when planning bandwidth between sites hosting VM objects and the witness nodes?

- A. 1500 MTU on the VSAN vmkernel interface
- B. 5 ms with a recommended minimum bandwidth of 10Gbps
- C. 2 Mbps for every 1000 objects on the vSAN
- D. 500 ms roundtrip (< 250 ms one way)

**Answer:** C

#### NEW QUESTION 134

A systems engineer is performing a VxRail upgrade in a VMware Horizon VDI cluster. All hosts are put in Maintenance Mode. What action does the engineer need to perform on each host once the upgrade has been completed?

- A. From the Connection Server run `lcMaintcmd` to delete the parent VMs and exit Maintenance Mode for each host
- B. From the Connection Server, run `lcMaintcmd` to take the hosts out of Maintenance Mode and reboot them
- C. Set the `InstantClone Maintenance` annotation value to the original value
- D. Set the `InstantClone Maintenance` annotation value to 2

**Answer:** A

#### NEW QUESTION 135

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