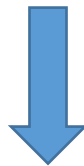


## VMware VCP6-NV Certification 2V0-642 Exam



- **Vendor: VMware**
- **Exam Code: 2V0-642**
- **Exam Name: VMware Certified Professional 6 - Network Virtualization  
(NSX v6.2) Exam**

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**QUESTION 1**

An administrator wishes to upgrade to NSX from the following infrastructure:

- vCenter Server 4.1
- vShield 5.0
- ESXi hosts 4.1

What is a valid, minimum set of steps to properly upgrade this environment to NSX?

- A. 1. Upgrade vCenter Server 4.1 to vCenter Server 5.5  
2. Upgrade vShield 5.0 to vShield 5.5  
3. Upgrade ESXi hosts to ESXi 5.1 or greater  
4. Install the NSX upgrade bundle
- B. 1. Upgrade vCenter Server 4.1 to vCenter Server 5.1  
2. Upgrade vCenter Server 5.1 to vCenter Server 5.5  
3. Upgrade ESXi hosts to ESXi 5.1 or greater  
4. Install the NSX upgrade bundle
- C. 1. Upgrade vCenter Server 4.1 to vCenter Server 5.5  
2. Upgrade ESXi hosts to ESXi 5.1 or greater  
3. Install the NSX upgrade bundle
- D. 1. Upgrade vCenter Server 4.1 to vCenter Server 5.5  
2. Upgrade vShield 5.0 to vShield 5.5  
3. Install the NSX upgrade bundle

**Answer: A**

**QUESTION 2**

Layer 2 Multipathing (L2MP) and Multi-chassis Etherchannel (MEC) features have distinct scaling differences with the network switching and routing services provided by NSX. Which two statements provide a proper contrast of these services? (Choose two.)

- A. Multi-chassis Etherchannel features provide higher utilization of Ethernet links within a defined L2/L3 distribution area.
- B. Multi-Chassis Etherchannel features provide an easy ability to scale a VLAN across the data center.
- C. NSX provides a method to transparently deploy L2MP protocols upon existing data center installations without service disruption.
- D. NSX provides a method to deploy scalable L2/L3 services on existing data center installations.

**Answer: AD**

**QUESTION 3**

An administrator has recently deployed NSX, but is still using a pair of physical network security devices. The administrator wants to use the physical security devices to filter virtual machine traffic hosted in the overlay network. Which NSX component will provide the connectivity between the overlay and the physical network?

- A. Distributed Firewall
- B. NSX Controller
- C. Edge Services Gateway
- D. Logical Router

**Answer: D**

**QUESTION 4**

Which two are valid statements regarding third-party services and NSX? (Choose two.)

- A. Third party services are automatically registered with NSX Manager.
- B. Third party services can either be automatically or manually registered with NSX Manager.
- C. Third party services require the deployment of a virtual appliance.
- D. Third party services may or may not utilize a service virtual appliance.

**Answer: BD**

**QUESTION 5**

Which VMware NSX for vSphere component can be created on-demand using vCloud Automation Center?

- A. The logical switch
- B. The logical distributed router
- C. The distributed firewall
- D. The NSX Edge Services Gateway

**Answer: A**

**QUESTION 6**

What is one way that NSX improves network performance?

- A. Virtual machines in different subnets residing on the same host route traffic through an NSX controller, keeping traffic on the host.
- B. Virtual machines in different subnets residing on the same host route traffic through an NSX logical router, keeping traffic on the host.
- C. Virtual machines in different subnets residing on the same host route traffic through an NSX Edge gateway, keeping traffic on the host.
- D. Virtual machines in different subnets residing on the same host route traffic through an NSX switch, keeping traffic on the host.

**Answer: B**

**QUESTION 7**

Which statement is true regarding deploying NSX over a physical network?

- A. OSPF can be used for Management traffic in a Layer 3 fabric design.
- B. NSX can implement IPv6 on an IPv4 physical network.
- C. Routing is supported on bridged interfaces.
- D. VLANs are not required to separate traffic between virtual machines.

**Answer: B**

**QUESTION 8**

On a vSS, how does teaming two or more physical network adapters provide load balancing when using the Load Balancing feature Route based on the originating virtual port ID?

- A. The physical network adapter is chosen by use of a round robin based algorithm for each additional virtual port in the port group that becomes active.
- B. The physical network adapter is chosen by using the source IP address of the virtual machine and the destination IP address as variables in an algorithm.
- C. The physical network adapter is chosen by using the source MAC address as a variable in an algorithm.

- D. The physical network adapter is chosen based on the workloads from each port and the number of physical adapters.

**Answer: A**

**QUESTION 9**

What are two valid methods of configuring virtual machines to use a vSphere Distributed Switch (vDS) that are currently using a vSphere Standard Switch (vSS)? (Choose two.)

- A. Select each virtual machine and drag it to the vSphere Distributed Switch.
- B. Select the vSS in use by the virtual machines and select the Move to option on the right-click menu.
- C. Select each virtual machine and edit the virtual network adapter's connection settings.
- D. Use the Migrate Virtual Machine Networking option from the right-click menu of the vDS.

**Answer: CD**

**QUESTION 10**

A network security administrator wants to monitor traffic on several VLANs configured on a vSphere Distributed Switch. The traffic will be sent to another distributed port. What type of port mirroring session must be configured to meet these requirements?

- A. Select the session type Distributed Port Mirroring when configuring the Port Mirroring session.
- B. Select the session type Remote Mirroring Source when configuring the Port Mirroring session.
- C. Select the session type Remote Mirroring Destination when configuring the Port Mirroring session.
- D. Select the session type Distributed Port Mirroring (legacy) when configuring the Port Mirroring session.

**Answer: C**

**QUESTION 11**

What are three switch features found only on vSphere Distributed Switches? (Choose three.)

- A. Network I/O Control
- B. CDP
- C. LLDP
- D. SR-IOV
- E. Port Mirroring

**Answer: ACE**

**QUESTION 12**

You have deployed a two-tiered application using four virtual machines:

- Two virtual machines are web application servers
- Two virtual machines providing a clustered database service

What feature can you configure to provide the most accurate account for only the traffic between the web servers and the clustered database?

- A. On the vSphere Distributed Switch, configure the use of a port mirroring session using the Encapsulated Remote Mirroring (L3) Source session type.
- B. On the vSphere Distributed Switch, configure the use of a port mirroring session using the Remote Mirroring Destination session type.
- C. On the vSphere Distributed Switch, configure the use of an Isolated Private VLAN for the ports of the four virtual machines.

- D. On the vSphere Distributed Switch, configure Netflow for the distributed virtual port group and enable Process internal flows only for the distributed switch.

**Answer: D**

**QUESTION 13**

Which three network policy settings can only be configured on a vSphere 5.5 Distributed Switch? (Choose three.)

- A. Access Control Lists (ACLs)
- B. Network I/O Control
- C. LACP v2
- D. NetFlow
- E. DSCP Marking

**Answer: ACE**

**QUESTION 14**

Which two vSphere components are required for NSX? (Choose two.)

- A. Standard vSwitch
- B. Network I/O Control
- C. Distributed Port Group
- D. VMkernel port

**Answer: CD**

**QUESTION 15**

What is the minimum MTU size recommended by VMware for the physical network when deploying NSX for vSphere?

- A. 1550
- B. 1600
- C. 2148
- D. 9000

**Answer: B**

**QUESTION 16**

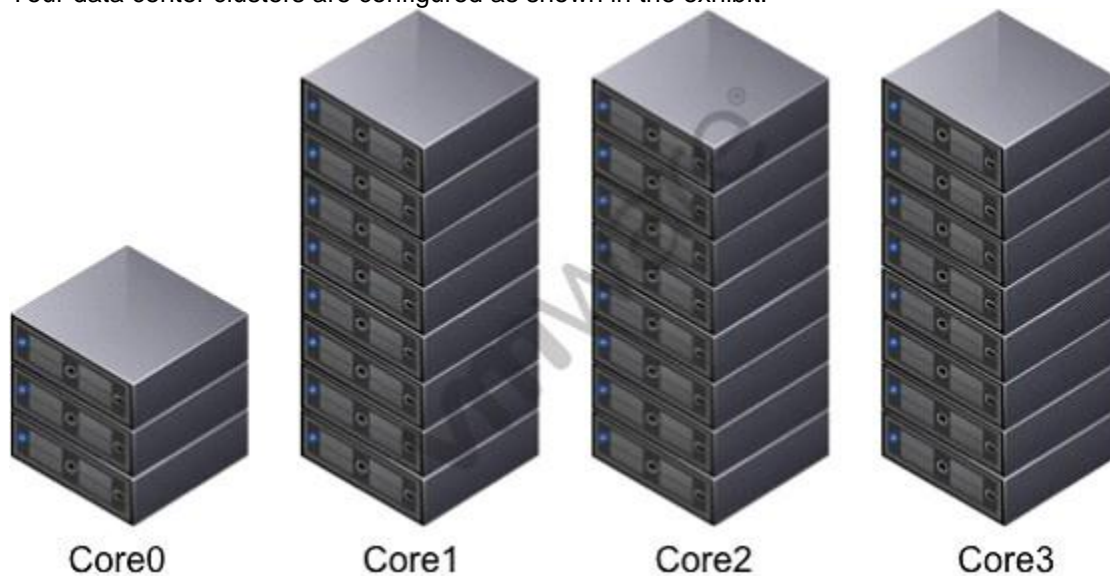
A company wants to deploy VMware NSX for vSphere with no PIM and no IGMP configured in the underlying physical network. This company also must ensure that non- ESXi hosts do not receive broadcast, unknown unicast or multicast (BUM) traffic. Which replication mode should the logical switches be deployed with?

- A. Unicast Replication Mode
- B. Multicast Replication Mode
- C. Hybrid Replication Mode
- D. Transport Zone Mode

**Answer: A**

**QUESTION 17**

Your data center clusters are configured as shown in the exhibit.



Core0 uses Virtual SAN and hosts virtual machines running the following components:

- vCenter Server
- Single Sign-On Server
- Update Manager
- SQL Server database

Core1, Core2, and Core3 use a single Fibre Channel attached storage array. Core1 hosts over 500 virtual machines. Core2 hosts over 400 virtual machines. Core3 hosts 100 virtual machines. Following VMware's best practices, NSX Controller components should be deployed to which location(s)?

- A. Deploy three NSX Controllers, one on each host of Core0.
- B. Deploy four NSX controllers, one on each cluster in the data center.
- C. Deploy 27 NSX controllers, one for each host in the data center.
- D. Deploy three NSX controllers. Deploy one in Core1, one in Core2, and one in Core3.

**Answer: A**

#### QUESTION 18

Your data center is made up of two VMware vCenter Server instances. Each vCenter Server manages three clusters with 16 hosts per cluster. In preparing for your VMware NSX deployment, how many vShield Endpoint instances will you have?

- A. 2
- B. 6
- C. 48
- D. 96

**Answer: D**

#### QUESTION 19

After deploying NSX, an administrator does not see the Networking & Security tab when connecting to the vCenter Server using the vSphere Web Client. What should the administrator do?

- A. Register the NSX Manager with the vCenter Server.
- B. Register the NSX Manager with the Inventory Service.
- C. The NSX Controllers must be deployed before NSX Manager is available.
- D. The NSX Manager must be configured to use Single Sign-On before it will be available.

**Answer: A**

**QUESTION 20**

A company hosts an internal website on multiple virtual machines attached to a Logical Switch with VNI 7321. A Distributed Router serves as the virtual machines' default gateway. When an user resolves the URL for the website, the internal DNS server responds with the IP address of one of the virtual machine's IP addresses in a round robin fashion. This approach results in some virtual machines having a much higher number of user sessions than others. The company wants to deploy a NSX Edge Service Load Balancer to improve on this situation. Which distribution method can be configured on the NSX Edge Load Balancer to meet the company's needs?

- A. LEAST\_CONN
- B. IP\_HASH
- C. LEAST\_LOAD
- D. URI

**Answer: A**

**QUESTION 21**

Which two statements are true regarding Layer 2 VPNs? (Choose two.)

- A. Layer 2 VPNs are used to securely extend Ethernet segments over an untrusted medium.
- B. The NSX Edge Service Gateway can form a Layer 2 VPN with a standards-compliant physical appliance.
- C. The Distributed Router can form a Layer 2 VPN to another Distributed Router or NSX Edge Service Gateway.
- D. Layer 2 VPNs require the two VPN endpoints be in the same Layer 2 segment.

**Answer: AB**

**QUESTION 22**

A vSphere administrator wants to setup an NSX Edge Service Gateway to provide traveling employees secure access to company servers located in specific network segments within the corporate Data Center. The remote access solution must provide a method to authenticate the users. Which two methods can be used with the NSX Edge Service Gateway? (Choose two.)

- A. TACACS+
- B. MS-CHAP
- C. RSA Secure ID
- D. Active Directory

**Answer: CD**

**QUESTION 23**

A company has augmented its Data Center infrastructure by using vCloud Hybrid Service during peak hours. The company wants to extend their existing subnets into the cloud while workloads retain their existing IP addresses. The virtual machines in these subnets use an NSX Edge Gateway as their default gateway. Which solution should this company use?

- A. Layer 2 VPN
- B. MPLS VPN
- C. IPSec VPN
- D. SSL VPN

**Answer: A**

**QUESTION 24**

A vSphere administrator wants to setup an NSX Edge Service Gateway to provide traveling employees secure access to company servers located in specific network segments within the corporate Data Centers. The solution has to be as scalable as possible. Which Virtual Private Network solution will satisfy the administrator's requirements?

- A. SSL VPN
- B. MPLS VPN
- C. Layer 2 VPN
- D. IPSec VPN

**Answer: A**

**QUESTION 25**

Which statement is true regarding an NSX Edge gateway device configured with a DNS Server?

- A. The NSX Edge will forward all DNS requests from virtual machines sent to it to the DNS Server.
- B. The NSX Edge configuration will override the DNS Server configured by the NSX Manager.
- C. The NSX Edge registers the DNS Server with the NSX Controller.
- D. The NSX Edge periodically synchronizes its DNS tables with the primary DNS Server.

**Answer: A**

**QUESTION 26**

An NSX Edge Service Gateway has two interfaces:

**1. Internal interface named Internal Access**

-- IP address = 10.10.10.1  
-- Network mask = 255.255.255.0

**2. Uplink interface named Physical Uplink**

-- IP address = 20.20.20.1  
-- Network mask = 255.255.255.0

A vSphere administrator wants to add a SNAT rule to allow traffic from the internal network segment to access external resources via the uplink interface. Which three steps should the vSphere administrator do to add the SNAT rule? (Choose three.)

- A. Apply the SNAT rule to the Internal Access interface.
- B. Select 10.10.10.1 as the translated source IP.
- C. Apply the SNAT rule on the Physical Uplink interface.
- D. Select 10.10.10.0/24 as the original subnet.
- E. Choose 20.20.20.2 as the translated source IP.

**Answer: CDE**

**QUESTION 27**

An administrator manages a TFTP server virtual machine that is connected to a Logical Switch with



a VNI of 7321. The TFTP server has been configured to use port 1069. An NSX Edge Service Gateway is connected to VNI 7321 and has an uplink interface with access to the physical network. Assume external users can reach the Service Gateway. What should the administrator configure to ensure external connections to the TFTP server are successful?

- A. Create a DNAT rule with the original port of 69 and translated port of 1069.
- B. Create a SNAT rule with the original port of 1069 and translated port of 69.
- C. Create a SNAT rule with the original port of 69 and translated port of 1069.
- D. Create a DNAT rule with the original port of 1069 and translated port of 69.

**Answer: A**

**QUESTION 28**

Which two actions take place when an active NSX Edge instance fails? (Choose two.)

- A. Once the original NSX Edge instance is recovered, it preempts the other NSX Edge instance and takes over the active role.
- B. The standby NSX Edge instance becomes the active instance and requests routing updates from the routing neighbors.
- C. Once the original NSX Edge instance is recovered, the NSX Manager attempts to place it on a different host from the other NSX Edge instance.
- D. The standby NSX Edge instance becomes the active instance and retains any routing neighbor adjacencies.

**Answer: CD**

**QUESTION 29**

Which two statements are true regarding NSX High Availability? (Choose two.)

- A. NSX HA is configured as Active-Active.
- B. NSX HA is configured as Active-Standby.
- C. If an Active node fails, there is no service interruption during failover.
- D. If an Active node fails, there is a 15 second service interruption during failover.

**Answer: BC**

**QUESTION 30**

Where does the Distributed Logical Firewall enforce firewall rules?

- A. At the Virtual Machine's virtual Network Interface Card (vNIC).
- B. At the Logical Switch virtual port that the Virtual Machine connects to.
- C. At the NSX Controller's firewall kernel module.
- D. At the ESXi host vmnic used by the vSphere Distributed Switch.

**Answer: A**

**QUESTION 31**

How are Logical Firewall rules applied to affected virtual machines?

- A. They are pushed by the NSX Controllers into all the ESXi hosts in the same Transport Zone.
- B. They are pushed by the NSX Manager to the ESXi hosts running the source and/or destination virtual machines.
- C. They are pushed by the NSX Controllers to the ESXi hosts running the destination virtual machines.
- D. They are pushed by the NSX Manager to all the ESXi hosts in the NSX environment.

**Answer: B**

**QUESTION 32**

An administrator wishes to control traffic flow between two virtual machines. The virtual machines are in the same subnet, but are located on separate ESXi hosts. The administrator deploys an Edge Firewall to one of the hosts and verifies the default firewall rule is set to deny, but the two virtual machines can still communicate with each other. What task will correct this issue?

- A. Configure both ESXi host firewalls to deny traffic from the virtual machine on the other host.
- B. Deploy another Edge Firewall on the host running the second virtual machine.
- C. Remove any other firewall appliances that may exist on either of the ESXi hosts.
- D. Deploy a Distributed Firewall with firewall rules to prevent traffic between the virtual machines.

**Answer: D**

**QUESTION 33**

An administrator has deployed NSX in an environment containing a mix of vSphere 5 hosts. The implementation includes the Distributed Firewall Service, but the administrator finds that rules are not being applied to all affected virtual machines. What two conditions would cause this behavior? (Choose two.)

- A. Some hosts have not been prepared for NSX.
- B. Only ESXi 5.5 and later hosts can push the rules to the virtual machines.
- C. Only ESXi 5.1 and later hosts can push the rules to the virtual machines.
- D. Some hosts are blocking the port used for rule distribution.

**Answer: AC**

**QUESTION 34**

An administrator wants to perform Activity Monitoring on a large group of virtual machines in an NSX environment. How would this task be accomplished with minimal administrative effort?

- A. Create a PowerCLI script to enable virtual machine data collection on each virtual machine.
- B. Create a security group in Service Composer and add the virtual machines to the security group.
- C. Add the virtual machines to the pre-defined Activity Monitoring security group in Service Composer.
- D. Add the virtual machines to a VM folder in vCenter Server and enable data collection.

**Answer: C**

**QUESTION 35**

Which action is not an option for adding Virtual Machines to a Security Group?

- A. Adding Virtual Machines to a Security Group and nesting it within another Security Group.
- B. Defining Dynamic Membership in the Security Group.
- C. Adding Virtual Machines to a Security Policy and associating it with a Security Group.
- D. Selecting objects to include within a Security Group.

**Answer: C**

**QUESTION 36**

What is the most restrictive NSX role that can be used to create and publish security policies and

install virtual appliances?

- A. Security Administrator
- B. NSX Administrator
- C. Auditor
- D. Enterprise Administrator

**Answer: D**

**QUESTION 37**

Which two NSX Data Security roles could be assigned to view configured policies and violation reports? (Choose two.)

- A. Security Administrator
- B. NSX Administrator
- C. Auditor
- D. Enterprise Administrator

**Answer: AC**

**QUESTION 38**

Which port is used for NSX REST API Requests?

- A. 80
- B. 443
- C. 5480
- D. 8443

**Answer: B**

**QUESTION 39**

Which component automates the consumption of third-party services and provides mapping to virtual machines using a logical policy?

- A. NSX Manager
- B. Cloud Management Platform (CMP)
- C. Service Composer
- D. NSX Data Security

**Answer: C**

**QUESTION 40**

An administrator enables the NSX Ticket Logger to track infrastructure changes. The administrator logs out for lunch, returns and logs back in to complete the task. What is the status of ticket logger when the administrator logs back in?

- A. The ticket logger still tracks changes until it is turned off by the administrator.
- B. The ticket logger is turned off.
- C. The ticket logger will prompt the user if they still want to continue tracking changes.
- D. The ticket logger will display an error.

**Answer: B**

**QUESTION 41**

What is required before running an Activity Monitoring report?

- A. Enable data collection on the NSX Controller
- B. Enable data collection on the vCenter Server
- C. Enable data collection on the NSX Manager
- D. Enable data collection on the virtual machine

**Answer: D**

**QUESTION 42**

What is the function of NSX Data Security?

- A. Prevents sensitive data in your virtualized environment from being copied
- B. Prevents sensitive data in your virtualized environment from being modified
- C. Identifies sensitive data in your virtualized environment based upon regulation security policies
- D. Identifies sensitive data in your virtualized environment based upon regulation violation reports

**Answer: D**

**QUESTION 43**

Where are the distributed NSX firewall decisions logged?

- A. NSX Manager
- B. vCenter Server
- C. NSX Edge
- D. ESXi host

**Answer: D**

**QUESTION 44**

An administrator needs to perform a configuration backup of NSX. From which two locations can this task be performed? (Choose two.)

- A. Directly on the NSX Manager
- B. From the vSphere Web Client
- C. Using the NSX API
- D. Directly on each NSX Controller

**Answer: AC**

**QUESTION 45**

An administrator attempts to create an NSX configuration backup and receives an error. The current backup configuration displays the following information:



What task does the administrator need to complete to perform a successful backup?

- A. Configure the FTP Server Settings
- B. Turn Scheduling on
- C. Enable exclusions
- D. Start the backup service

**Answer: A**

**QUESTION 46**

Which tool detects a VLAN misconfiguration between virtual and physical switches?

- A. esxtop
- B. esxcfg-vswitch
- C. VDS Health Check
- D. NSX Controller command line interface (CLI)

**Answer: C**

**QUESTION 47**

Which tool is used to display VXLAN connection information?

- A. pktcap-uw
- B. NSX Controller CLI
- C. esxtop
- D. VDS Health Check

**Answer: B**

**QUESTION 48**

An administrator has created a logical switch, but when attempting to select a transport zone, the dropdown box is empty. Which option is causing this issue?

- A. The transport zone has not been enabled on the NSX Controller
- B. A VXLAN has not been created
- C. A VLAN has not been created
- D. The transport zone has not been assigned an IP address pool

**Answer: B**

**QUESTION 49**

An administrator is troubleshooting a NSX controller cluster issue and runs the control-cluster command.

role	port	listening	open conns
api_provider	api/443	Y	2
persistence_server	server/2878	-	0
	client/2888	Y	0
	election/3888	Y	1
switch_manager	ovsmgmt/6632	Y	0
	openflow/6633	Y	0
system	cluster/7777	Y	1

What information can be determined from the output provided in the exhibit?

- A. This is the control cluster majority leader controller
- B. There are two controllers in the cluster
- C. This is not the control cluster majority leader controller
- D. The persistence\_server role is not functioning correctly

**Answer: C**

**QUESTION 50**

Which Endpoint service cannot be leveraged using Service Composer?

- A. Antivirus
- B. Data Security
- C. Layer 2 Bridging
- D. Network Introspection

**Answer: C**

**QUESTION 51**

What is the packet size of the VXLAN standard test packet when using the Ping test on the logical switches?

- A. 1500
- B. 1550
- C. 1575
- D. 1600

**Answer: B**

**QUESTION 52**

An administrator is deploying a distributed router and is adding an interface for a logical switch, as shown in the following exhibit.

**Add Interface** ?

Name: \* DB-Tier

Type: ☒ Internal ☐ Uplink

Connected To:  Change Remove

Connectivity Status: ☒ Connected ☐ Disconnected

Configure subnets

+ ✎ ✕

IP Address	Subnet Prefix Length

MTU:

*MTU should be between 68 and 9000.*

OK Cancel

**Connect NSX Edge to a Network** ?

Logical Switch Distributed Portgroup

Filter

Name	Type
This list is empty.	

M 1 Objects

The administrator clicks on the Change link to specify the network to connect to. Selecting the distributed portgroup, the administrator finds that no portgroups are listed. The administrator verifies the desired portgroup exists in vCenter Server. What condition would result in this behavior?

- A. The MTU size is set to 1500
- B. A subnet has not been configured
- C. The interface name has an invalid character
- D. The interface type is incorrect

**Answer: D**

**QUESTION 53**

Which Layer 2 bridge is supported by the Distributed Router?

- A. VCD-NI to VLAN bridge
- B. VXLAN to PVLAN bridge
- C. VCD-NI to PVLAN bridge
- D. VXLAN to VLAN bridge

**Answer: D**

**QUESTION 54**

What NSX feature allows for integration with any third-party Cloud Management Platforms?

- A. NSX Extensibility
- B. NSX REST API
- C. NSX Edge
- D. NSX Controller

**Answer: B**

**QUESTION 55**

When compared to the Software Defined Data Center architecture, what are two network limitations of a physical network architecture? (Choose two.)

- A. Configuring firewall policies
- B. Multi-Tenancy
- C. Configuring layer 3 switch networks
- D. Traffic hair-pinning

**Answer: BD**

**QUESTION 56**

Which statement describes proper packet processing of layer 3 traffic in an NSX for vSphere topology?

- A. All packets are processed by the distributed router.  
No packets are processed by the Logical Router Control VM.
- B. Only packets requiring routing to another VM on the same host are processed by the distributed router.  
Other packets are processed by the Logical Router Control VM.
- C. Only packets requiring routing to another VM on a different host are processed by the distributed router.  
Other packets are processed by the Logical Router Control VM.
- D. All packets requiring routing are processed by performing a lookup in the Logical Router Control VM and then forwarded.

**Answer: A**

**QUESTION 57**

An administrator will deploy NSX within an existing vSphere environment containing two vCenter Server instances. Each vCenter Server manages three clusters with 16 ESXi hosts per cluster. How many NSX Manager instances would be required for this deployment?



- A. 1
- B. 2
- C. 3
- D. 6

**Answer: B**

**QUESTION 58**

To provide high availability and resilience for your NSX Manager deployment, you should utilize which high availability feature?

- A. Configure the NSX Manager virtual machine(s) for Fault Tolerance.
- B. Install multiple NSX Managers per vCenter Server installation.
- C. Configure the use of vSphere HA and DRS.
- D. Configure NSX High Availability.

**Answer: C**

**QUESTION 59**

An administrator has deployed NSX within the vSphere environment, but is unable to deploy an NSX Controller. What step must be taken to resolve the issue?

- A. Register the third-party security service device or virtual appliance with NSX Manager.
- B. Deploy a distributed router and enable the High Availability option.
- C. On the NSX Manager, select Enable multicast addressing and complete the configuration.
- D. Define a data security group for all deployed virtual machine groups.

**Answer: C**

**QUESTION 60**

A data center environment contains the following:

- VMware vCenter 5.1
- ESXi hosts 4.1 and higher
- VMware Horizon View 5.2
- Network devices with merchant silicon ASICs

Which two steps must be taken to ensure a successful NSX deployment? (Choose two.)

- A. Upgrade the vCenter Server installation to vCenter Server 5.5.
- B. Upgrade the network devices to support layer 2 multi-pathing.
- C. Upgrade all compute nodes to ESXi 5.1 or later.
- D. Upgrade the VMware Horizon View installation to Horizon View 5.3.

**Answer: AC**

**QUESTION 61**

Which statement correctly defines third-party gateway support in NSX for vSphere and NSX for Multiple Hypervisors (NSX-MH) for application workloads that span virtual and physical spaces?

- A. Only NSX-MH provides support for hardware based gateways.
- B. Only NSX for vSphere provides support for hardware based gateways.
- C. Both versions of NSX provide support for hardware based gateways.
- D. Neither version of NSX provides support for hardware based gateways at this time.

**Answer: C**

**QUESTION 62**

In a 3-Tier Data Center design without virtualization, which statement most closely defines the architecture of network services?

- A. Network services such as NAT and firewalls are typically distributed throughout the access layer.
- B. Network services such as routing and firewalls are typically deployed at the L2/L3 boundary.
- C. Network services such as NAT and firewalls are typically deployed in-line with the applications.
- D. Network QoS services such as classification and marking are performed by software in the compute nodes.

**Answer: B**

**QUESTION 63**

An administrator wants to implement NSX within the vSphere virtual environment. Which two statements correctly describe changes that will occur as a result of an NSX deployment? (Choose two.)

- A. Use of ARP will increase in the physical environment.
- B. Use of ARP will decrease in the physical environment.
- C. MAC address table usage will increase in the physical environment.
- D. MAC address table usage will decrease in the physical environment.

**Answer: BD**

**QUESTION 64**

NSX provides easy integration with many third-party cloud management platforms (CMPs) through the implementation of which protocol?

- A. SOAP
- B. REST API
- C. SSL
- D. XML

**Answer: B**

**QUESTION 65**

Which option shows an advantage of implementing logical firewalls in NSX?

- A. NSX allows segmentation of virtual machines based upon VM names or user identity.
- B. NSX provides traffic forwarding between layer 2 broadcast domains.
- C. NSX allows virtual machine traffic to follow multiple paths to a specific destination.
- D. NSX provides the ability to provide IPv4 and IPv6 dual stack configuration.

**Answer: A**

**QUESTION 66**

Which NSX component decreases layer 2 broadcast domains and improves network efficiency and scale?

- A. Logical Switches

- B. Logical Routers
- C. Logical Firewalls
- D. Logical Virtual Private Networks

**Answer: B**

**QUESTION 67**

Which NSX component provides the ability to provide East-West distributed routing for virtual machines in different subnets without having to traverse the physical network?

- A. NSX vSwitch
- B. NSX Edge
- C. NSX Controller
- D. NSX Distributed Firewall

**Answer: B**

**QUESTION 68**

Which characteristic or feature is required for VXLAN traffic to successfully travel across virtual and physical networks?

- A. Deployment of a three rack design for the compute and network infrastructure support.
- B. A repeatable rack design for scalability.
- C. Network device support for jumbo frames.
- D. Physical VXLAN gateway support in the access layer switches.

**Answer: C**

**QUESTION 69**

Which two statements correctly describe Spine-Leaf switch topologies? (Choose two.)

- A. Spine-leaf topologies must utilize layer 3 switching for inter-connectivity.
- B. Spine-leaf topologies can utilize layer 2 or layer 3 switching for inter-connectivity.
- C. Oversubscription, if it occurs, is more likely to be found in the spine switches.
- D. Oversubscription, if it occurs, is more likely to be found in the leaf switches.

**Answer: BD**

**QUESTION 70**

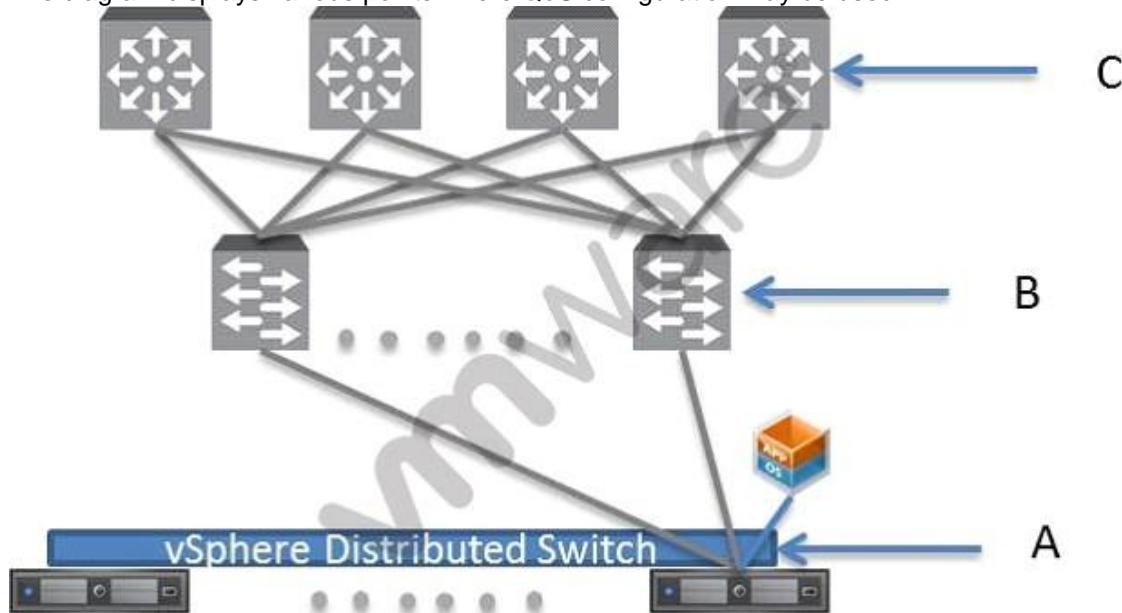
Which statement best describes scaling a fault tolerant spine-leaf multipathing fabric architected for an NSX deployment?

- A. Scaling should be performed by replacing 1Gbps links in the architecture with 10Gbps links.
- B. Scaling should be performed by increasing the number of links from each leaf switch to the associated spine switches in the architecture.
- C. Scaling should be performed by increasing the number of spine switches while maintaining point-to-point connectivity between leafs and spines.
- D. Scaling should be performed by using layer 2 switching between the leaf and spine switches.

**Answer: C**

**QUESTION 71**

The diagram displays various points where QoS configuration may be used.



Based on the diagram, which two statements correctly identify the appropriate QoS usage? (Choose two.)

- A. Location A should provide Trust DSCP.
- B. Location A should provide either Trust DHCP or Set DSCP.
- C. Location B should provide Trust DSCP and Trust COS.
- D. Location B should provide Set DSCP and Set COS.

**Answer: BC**

#### QUESTION 72

Which statement is true regarding the configuration of vSphere Standard Switches on ESXi 5.5 hosts?

- A. Additional ports must be manually added to a vSwitch when the configured number of ports has been exhausted. The host requires a reboot when this configuration change is made.
- B. Additional ports must be manually added to a vSwitch when the configured number of ports has been exhausted. The host does not require a reboot when this configuration change is made.
- C. Additional ports are automatically added to a vSwitch when the configured number of ports has been exhausted. The host does not require a reboot when this configuration change is made.
- D. Additional ports are automatically added to a vSwitch as needed, and a set number of ports is not configured. The host does not require a reboot when this configuration change is made.

**Answer: D**

#### QUESTION 73

Which two configurations are valid on a vSphere Standard Switch using the vSphere Web Client? (Choose two.)

- A. Enable the use of SR-IOV for a physical adapter.
- B. Set the MTU frame size on the vSwitch.
- C. Configure Route Based on Physical NIC Load on a nic team.

D. Configure Port Mirroring on a portgroup.

**Answer: AB**

**QUESTION 74**

You have a vSphere deployment consisting of ESXi 5.1 hosts and a vCenter Server 5.5. You are deploying NSX and begin by creating a vSphere Distributed Switch (vDS) on the vCenter Server using default settings. What is the next step in preparing the deployment for NSX?

- A. Use the option Add host networking.
- B. Use the option Add and Manage Hosts.
- C. Deploy NSX on each host.
- D. Upgrade the ESXi hosts.

**Answer: D**

**QUESTION 75**

A vSphere cluster consists of three ESXi 5.5 hosts. Each host has five powered-on virtual machines. Which option will successfully configure the hosts to use a newly-created vSphere Distributed Switch (vDS) with a single port group?

- A. Using the vSphere Web Client, for each host, select a host, click Manage, click Networking, and click the icon to Add host networking.
- B. Using the vSphere Web Client, for each host, select a host, right-click the host, select All vCenter Actions, and then select Add Networking.
- C. Using the vSphere Web Client, select each of the running virtual machines and edit the settings of the network adapters.
- D. Using the vSphere Web Client, select the newly created VDS and click Add and Manage Hosts.

**Answer: D**

**QUESTION 76**

You are managing three ESXi 5.1 hosts attached to a vSphere Distributed Switch (vDS) using the default settings. You need to provide LACP Active Mode connectivity for the two 10Gb uplinks of each host attached to the Uplink Port Group of the vDS. Using VMware best practices, which option shows the steps required to configure use of LACP?

- A. Upgrade all ESXi hosts to ESXi version 5.5.  
Create a new version 5.5 vDS.  
Use the Add and Manage Hosts option to migrate the hosts to the new vDS.  
Configure the appropriate LACP settings.
- B. Upgrade all ESXi hosts to ESXi version 5.5.  
Create a new version 5.5 vDS and use the Add and Manage Hosts option to migrate the hosts to the new vDS.  
Upgrade all virtual machines to hardware version 10.  
Configure the appropriate LACP settings.
- C. Upgrade all ESXi hosts to ESXi version 5.5.  
Upgrade the existing vDS and use the Add and Manage Hosts option to migrate the hosts to the new vDS.  
Upgrade all virtual machines to hardware version 10.  
Configure the appropriate LACP settings.
- D. Upgrade all ESXi hosts to ESXi version 5.5.  
Upgrade the existing vDS to version 5.5.  
Configure the appropriate LACP settings.

**Answer: D**

**QUESTION 77**

An organization has a vSphere environment configured with two adapters on each ESXi host. The physical network is configured to use Etherchannel. Based on the available options, what is the best option for load balancing traffic on the ESXi hosts?

- A. Configure a vSS using the Route based on originating virtual port load balancing setting.
- B. Configure a vDS using the Route based on physical NIC load load balancing setting.
- C. Configure a vDS using the Route based on source MAC hash load balancing setting.
- D. Configure a vSS using the Route based on IP hash.

**Answer: D**

**QUESTION 78**

Your company has a policy regarding the use of distributed virtual port groups for application deployments that requires all port configurations to maintain a finite maximum. What two configuration options will assure that only a finite, specific number of ports can be configured on a distributed virtual port group? (Choose two.)

- A. Configure the Port binding option value for Ephemeral.
- B. Configure the Port allocation option value for Elastic.
- C. Configure the Port binding option value for Static Binding.
- D. Configure the Port allocation option value for Fixed.

**Answer: CD**

**QUESTION 79**

What is the minimum number of vSphere Distributed Switches (vDS) that must be configured before deploying VMware NSX for vSphere?

- A. 0
- B. 1
- C. 2
- D. 4

**Answer: B**

**QUESTION 80**

Which option is VMware's best practice for the deployment of NSX Manager and NSX Controller components?

- A. Deploy the NSX Manager and NSX Controller components to a management cluster.
- B. Deploy the NSX Manager component to a management cluster and the NSX Controller components to a resource cluster.
- C. Deploy the NSX Controller components to a management cluster and the NSX Manager component to a resource cluster.
- D. Deploy the NSX Manager and NSX Controller components to a resource cluster.

**Answer: A**

**QUESTION 81**

What is the appropriate source from which to deploy the VMware NSX Manager component?

- A. Open Virtualization Appliance (OVA) file
- B. VMware Infrastructure Bundle (VIB) file
- C. VMware vSphere Update Manager update baseline
- D. MSI install package

**Answer: A**

**QUESTION 82**

What is a prerequisite to deploying a Logical Switch?

- A. Configure the VXLAN Tunnel Endpoint's (VTEP) VLAN on the trunk in the physical switches.
- B. Add the ESXi hosts to the same vSphere Distributed Switch.
- C. Prepare and configure VTEPs on the ESXi hosts using the vSphere Web Client.
- D. Create a port group on the vSphere Distributed Switch.

**Answer: A**

**QUESTION 83**

A NSX administrator attempts to create a Logical Switch, but assigns it a name of an existing Logical Switch. What will be the result?

- A. The Logical Switch is created with the name assigned by the NSX Administrator.
- B. NSX Manager will append a two digit number to the Logical Switch name, starting with 01.
- C. The Logical Switch can't be attached to a Redistributed Router until it's name is changed.
- D. An error message is displayed. Unable to allocate an available resource.

**Answer: A**

**QUESTION 84**

Which scenario can be configured to use 3DES encryption for virtual machine traffic?

- A. Two virtual machines communicating across a point-to-point IPsec VPN connection.
- B. Two virtual machines running on different ESXi hosts communicating across the same logical switch.
- C. Two virtual machines communicating across a layer 2 bridge.
- D. Two virtual machines configured to use NSX Data Security.

**Answer: A**

**QUESTION 85**

After consulting with the network team, it is decided that Transport Zones will be configured with Unicast Replication Mode for a new NSX for vSphere deployment. Which statement is true regarding the function of the VXLAN Tunnel End Points (VTEPs)?

- A. The VTEPs will send unicast frames to the NSX Controllers when the VTEPs do not have a MAC address in the MAC table.
- B. The VTEPs will switch to Multicast Replication Mode for those VTEPs to which multicast path discovery is successful.
- C. The VTEPs will send multicast frames to all other VTEPs in the Transport Zone when the VTEPs do not have a MAC address in the MAC table.
- D. The VTEPs will send unicast frames to all local VTEPs and remote proxies in the Transport Zone when the VTEPs

do not have a MAC address in the MAC table.

**Answer: D**

**QUESTION 86**

Which is the transport protocol and port number used in VMware's implementation of VXLAN in NSX for vSphere?

- A. UDP, port number 8472
- B. UDP, port number 4789
- C. TCP, port number 4789
- D. TCP, port number 8472

**Answer: A**

**QUESTION 87**

What is a requirement of the physical network for VXLAN to operate correctly when deploying NSX for vSphere?

- A. Configure Jumbo Frames.
- B. Configure PIM in Sparse or Dense mode.
- C. Multichassis Link Aggregation (MLAG) on the Top of Rack switches.
- D. IPv4 enabled in the local segment where the VTEPs are connected.

**Answer: A**

**QUESTION 88**

Where is the layer 2 bridge instance deployed when configuring a bridge connection between a logical switch and a VLAN?

- A. On the ESXi host running the logical router
- B. On the ESXi host running the logical switch
- C. On both ESXi hosts that make up the layer 2 bridge
- D. On each virtual machine that will utilize the layer 2 bridge

**Answer: A**

**QUESTION 89**

What is the maximum number of Distributed Router Logical Interfaces that can be connected to a Logical Switch?

- A. 1
- B. 2
- C. 1200
- D. 2000

**Answer: A**

**QUESTION 90**

How many Logical Interfaces can be assigned to a single Distributed Router instance?

- A. 1



- B. 12
- C. 1000
- D. 1200

**Answer: C**

**QUESTION 91**

What is a VXLAN LIF?

- A. The Distributed Router interface that connects to a Logical Switch.
- B. The Distributed Router interface that connects to the distributed portgroup.
- C. The Logical Switch interface that connects to the Distributed Router.
- D. The distributed portgroup that the Distributed Router connects to.

**Answer: A**

**QUESTION 92**

Which routing protocol cannot be configured on an NSX edge device?

- A. EIGRP
- B. IS-IS
- C. OSPF
- D. BGP

**Answer: A**

**QUESTION 93**

A company hosts an internal website on multiple virtual machines on a Logical Switch with VNI 7321. A Distributed Router serves as the virtual machines' default gateway. When an user resolves the URL for the website, the internal DNS server responds with the IP address of one of the virtual machine's IP addresses in a round robin fashion. The company wants to deploy an NSX Edge Service Load Balancer and maintain the use of the Distributed Router for the virtual machines' default gateway. Which mode can the NSX Edge Load Balancer can be deployed to meet the Company's needs?

- A. One-Arm
- B. Transparent
- C. Local
- D. Global

**Answer: A**

**QUESTION 94**

Which two IPv6 connections are supported by the NSX Edge Load Balancer in Transparent mode? (Choose two.)

- A. IPv4 to IPv6
- B. IPv6 to IPv6
- C. IPv6 to IPv4
- D. IPv4 to IPv4

**Answer: AD**

**QUESTION 95**

A vSphere administrator deploys the NSX Edge Load Balancer in Inline mode. Which is not a requirement for the Load Balancer to operate correctly?

- A. Perform Source NAT on the traffic from the clients.
- B. Connect the Load Balancer directly to the same subnet as the VMs that are part of the Server Pool.
- C. Perform Destination NAT on the traffic from the clients.
- D. Point the virtual machines in the Server Pool to the Load Balancer as their default gateway.

**Answer: A**

**QUESTION 96**

How many Virtual IPs does the NSX Edge Load Balancer support?

- A. 1
- B. 32
- C. 64
- D. 128

**Answer: C**

**QUESTION 97**

Which two Virtual Private Networks are supported by the NSX Edge Service Gateway? (Choose two.)

- A. Layer 2 VPN
- B. GRE VPN
- C. IPSec VPN
- D. Layer 3 VPN

**Answer: AC**

**QUESTION 98**

How many DHCP pools can be created on the NSX Edge?

- A. 2,000
- B. 5,000
- C. 10,000
- D. 20,000

**Answer: D**

**QUESTION 99**

An organization requires a high performance firewall as part of an NSX deployment. What is the minimum NSX Edge Services Gateway configuration that would be suitable for the organization's requirements?

- A. X-Large
- B. Quad-Large
- C. Large
- D. Compact

**Answer: B**

**QUESTION 100**

A Distributed Router and an NSX Edge Gateway are connected to a Logical Switch with a VNI of 7321. Both also have connections to the external network. The Distributed Router serves as the default gateway for the virtual machines in VNI 7321. A vSphere administrator does not want to advertise the subnet in VNI 7321 to the rest of the network, but still wants to allow virtual machines in the segment to access external resources. What two steps should the vSphere administrator take to achieve this? (Choose two.)

- A. Make the NSX Edge Gateway the default gateway for VNI 7321.
- B. Configure a SNAT rule for VNI 7321 on the NSX Edge Gateway.
- C. Configure a static route to the NSX Edge Gateway in the upstream router.
- D. Create an inbound Access Control List on the Distributed Router.

**Answer: AB**

**QUESTION 101**

What is the frequency of the heartbeat between the active and standby NSX Edge instances when configured for HA?

- A. Every 1 second.
- B. Every 2 seconds.
- C. Every 5 seconds.
- D. Every 15 seconds.

**Answer: A**

**QUESTION 102**

What is the default delay when the active NSX Edge instance fails before the standby instance takes the active role?

- A. 3 seconds.
- B. 6 seconds.
- C. 15 seconds.
- D. 45 seconds.

**Answer: C**

**QUESTION 103**

Which service cannot be included in a Security Policy using Service Composer?

- A. Endpoint Services
- B. Firewall Rules
- C. Virtual Private Network Services
- D. Network Introspection Services

**Answer: C**

**QUESTION 104**

Which NSX Data Security role has the permission to start and stop data security scans?

- A. Security Administrator
- B. NSX Administrator
- C. Auditor
- D. Enterprise Administrator

**Answer: B**

**QUESTION 105**

A user needs to be given the ability to make configuration changes on a specific NSX Edge device. What role and scope could be used to meet this requirement?

- A. NSX Administrator role and Limit Access scope
- B. Security Administrator role and Limit Access scope
- C. NSX Administrator role and No restriction scope
- D. Security Administrator role and No restriction scope

**Answer: B**

**QUESTION 106**

Which component could be used to automate the deployment of an NSX environment?

- A. A Cloud Management Platform (CMP).
- B. The NSX Controller.
- C. The NSX Manager.
- D. The vSphere Distributed Switch wizard.

**Answer: A**

**QUESTION 107**

Which two web browsers are supported for programming the NSX REST API? (Choose two.)

- A. Internet Explorer
- B. Chrome
- C. Firefox
- D. Safari

**Answer: BC**

**QUESTION 108**

Which tool is used to detect rogue services?

- A. NSX Logical Firewall
- B. NSX Logical Router
- C. Activity Monitoring
- D. Flow Monitoring

**Answer: D**

**QUESTION 109**

What is the maximum time span for viewing Flow Monitoring data?

- A. 2 hours
- B. 1 week
- C. 2 weeks
- D. 1 month

**Answer: C**

**QUESTION 110**

You have deployed a vShield Endpoint for antivirus and malware detection on an NSX network and need to monitor audit messages for the endpoint. Which log file are the audit messages recorded in?

- A. vmkwarning.log on the ESXi host
- B. vmware.log on the virtual machine
- C. cloudnet\_cpp.log on the NSX Controller
- D. messages.log on the NSX Manager

**Answer: B**

**QUESTION 111**

Which NSX component can validate that security policies at your organization are being enforced correctly?

- A. Activity Monitoring
- B. Flow Monitoring
- C. ERSPAN
- D. Distributed firewalls

**Answer: A**

**QUESTION 112**

Where does an administrator configure logging for the NSX Manager?

- A. In the vSphere Web Client
- B. In the NSX Manager GUI
- C. In the NSX Manager command line interface (CLI)
- D. In the vSphere Syslog Collector

**Answer: B**

**QUESTION 113**

How many syslog servers can be configured for an NSX Edge device?

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

**Answer: B**

**QUESTION 114**

Which two protocols are used to perform NSX backups? (Choose two.)

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- A. FTP
- B. HTTP
- C. SFTP
- D. HTTPS

**Answer: AC**

**QUESTION 115**

Which two are pieces of information required to perform an NSX backup? (Choose two.)

- A. Transfer protocol
- B. Default Port
- C. Number of backups retained
- D. Filename prefix

**Answer: AD**

**QUESTION 116**

Which time frequency is not available when scheduling NSX backups?

- A. Hourly
- B. Daily
- C. Weekly
- D. Monthly

**Answer: D**

**QUESTION 117**

An administrator needs to verify which port the switch manager is using. Which command should be used?

- A. show controller-cluster status
- B. show controller-cluster core stats
- C. show controller-cluster connections
- D. show controller-cluster logical-switches

**Answer: C**

**QUESTION 118**

Where is the net-vdr command used?

- A. ESXi host
- B. NSX Controller
- C. NSX Edge
- D. vSphere Management Assistant (vMA)

**Answer: A**

**QUESTION 119**

Which configuration change on the physical infrastructure is required when deploying NSX?

- A. Increase the MTU size on the physical switches
- B. Enable multicast when the control plane mode is set to unicast
- C. Disable spanning tree protocol
- D. Enable IGMP snooping when the control plane mode is set to multicast

**Answer: A**

**QUESTION 120**

An administrator has deployed and powered on a new virtual machine configured to get its networking information via DHCP. The virtual machine is connected to an NSX network and connectivity has been verified. After reconfiguring the virtual machine with a static IP address, network connectivity is lost. Which statement explains what happened?

- A. SpoofGuard is disabled
- B. SpoofGuard is enabled and the operation mode is set to automatic
- C. SpoofGuard is enabled and the operation mode is set to manual
- D. SpoofGuard is enabled but not configured

**Answer: B**

**QUESTION 121**

An administrator can only log into the NSX manager using local credentials and not Active Directory credentials. Which option would cause this issue?

- A. The NSX manager has not been connected to the vCenter Server
- B. The NSX manager has not been connected to the lookup service
- C. The NSX manager has not been connected to an SSO server
- D. The NSX manager has not been connected to Active Directory

**Answer: B**

**QUESTION 122**

An administrator configures the IPSec VPN service on an NSX Edge instance, but the negotiation fails. Examining the log file, the administrator notices the following message:

INVALID\_ID\_INFORMATION

Which misconfiguration caused the error?

- A. Pre-shared key (PSK) does not match
- B. Diffie-Hellman (DH) Group does not match
- C. Perfect Forward Secrecy (PFS) does not match
- D. VPN tunnel address incorrect

**Answer: A**

**QUESTION 123**

Which condition could prevent an ESXi host from receiving VXLAN Tunnel End Point (VTEP) tables?

- A. The ESXi host is disconnected from vCenter Server
- B. The netcpa agent is not running on the ESXi host
- C. The vsfwd agent is not running on the ESXi host
- D. The NSX controller on the ESXi host is down

**Answer: B**

**QUESTION 124**

Which port must be available for communication between the NSX Manager and vCenter Server, ESXi hosts, and NSX appliances?

- A. 22
- B. 80
- C. 443
- D. 902

**Answer: C**

**QUESTION 125**

An administrator has received reports of intermittent connectivity between virtual machines on an NSX network. The network team has verified that all physical network devices have been set to 1600 MTU. What other configuration could cause this issue?

- A. An MTU value of 1500 on the vDS Switch
- B. An MTU value of 1500 on the distributed firewall
- C. An MTU value of 1500 on the logical router
- D. An MTU value of 1500 on the logical load balancer

**Answer: A**

**QUESTION 126**

Which feature is not supported by the vSphere 5.5 Distributed Switch?

- A. Multiple link aggregation groups
- B. Differentiated Service Code Point (DSCP) QOS at layer3
- C. Packet captures at the uplink, virtual switch port, or vNIC
- D. IGMP snooping at layer 2

**Answer: D**

**QUESTION 127**

What are two advantages for using NSX for vSphere's Logical Switching? (Choose two.)

- A. Expands the number of available VLANs.
- B. Allows for Layer 2 switching over Layer 3 infrastructure.
- C. Distributes Layer 3 data across multiple hypervisors.
- D. Provides for 10,000 logical segments.

**Answer: BD**

**QUESTION 128**

Which statement describes the traffic throughput of the NSX Distributed Firewall?

- A. By decoupling the firewall services from the virtualization layer, traffic is directed to the distribution layer for firewall processing within a service module.
- B. By deploying firewall software on a per virtual machine basis, firewall services will be distributed across multiple compute nodes.



- C. Firewall services are implemented as kernel modules and provide traffic filtering between the virtual machine's vNIC and the vSwitch.
- D. Firewall services are distributed as a software firewall appliance and may be deployed on more than one ESXi host for scalability and high availability.

**Answer: C**

**QUESTION 129**

Using VMware's best practices, choose two statements that define the best solution for scaling layer 2 services for the virtual network. (Choose two.)

- A. Employ a layer 2 switched network.
- B. Employ a layer 3 switched network.
- C. Use GRE for an overlay network.
- D. Use VXLAN for an overlay network.

**Answer: BD**

**QUESTION 130**

Which component provides for installation of NSX hypervisor kernel components and user world agents?

- A. NSX Controller
- B. NSX Edge Virtual Appliance
- C. NSX Manager
- D. vCloud Automation Center

**Answer: C**

**QUESTION 131**

Which NSX service or feature provides optimized management of virtual machine broadcast (ARP) traffic?

- A. NSX Controller
- B. NSX Manager
- C. Edge Services Gateway
- D. VTEP

**Answer: A**

**QUESTION 132**

You are tasked with designing a data center architecture that should maximize the use of vMotion within your environment. You must use these VMware best practices:

- The network must utilize widely offered layer 2 switching and layer 3 switching services
- Purchase of new equipment should be minimized

Which two network design architectures will provide the requirements for vMotion in your data center? (Choose two.)

- A. Utilize layer 3 switching from the access layer through the core.
- B. Employ layer 2 multipathing using a standardized protocol.
- C. Deploy a flat, traditional layer 2 switched network.

D. Deploy an overlay technology for the deployment of your virtual network.

**Answer: AD**

**QUESTION 133**

Which two statements describe the benefits provided by firewall services deployed by NSX?  
(Choose two.)

- A. Firewall services deployed using a software appliance will provide east-west traffic filtering and security.
- B. Firewall services deployed using a distributed kernel module will provide east-west traffic filtering and security.
- C. Firewall services providing edge security services uses a virtual appliance and is centrally managed.
- D. Firewall services providing edge security services uses a distributed kernel module.

**Answer: BC**

**QUESTION 134**

Which two statements are valid regarding vCloud Networking and Security (vCNS) and NSX?  
(Choose two.)

- A. Both vCNS and NSX support multiple hypervisor environments.
- B. NSX provides support for multiple hypervisor environments, vCNS does not.
- C. Both vCNS and NSX support dynamic routing protocols.
- D. NSX supports dynamic routing protocols, vCNS does not.

**Answer: BD**

**QUESTION 135**

How does NSX simplify physical network design?

- A. VLANs are moved into the virtual network for virtual machine traffic, eliminating the need to use PVLANS on the physical network.
- B. Network administrators only need to configure routing on the physical network for virtual machine traffic since all other network functions are moved to the virtual network.
- C. Transport zones are created in the virtual network for virtual machine traffic, removing the need to make changes to the physical network.
- D. Virtual network integration can make changes to the physical network programmatically using REST API calls which automates network changes and increases agility.

**Answer: C**

**QUESTION 136**

Which two statements are true regarding NSX? (Choose two.)

- A. Workloads can be placed and moved independently of physical topology.
- B. Operational efficiency can be achieved through automation of the physical network.
- C. Workload deployments are non-disruptive over the existing physical network.
- D. NSX implementation requires a VMware vSphere environment.

**Answer: AC**

**QUESTION 137**

How does NSX simplify the underlying physical network?

- A. All configuration and state information is available via the REST APIs to automate the configuration of the physical network.
- B. All configuration and state information are readily accessible, as is the mapping between virtual network topologies and the physical network.
- C. All configuration and state information is stored in the local NSX BPDU database, eliminating the need for Spanning Tree Protocol (STP) on the physical network.
- D. All configuration and state information is cached by the NSX controllers, reducing the number of MAC/ARP table entries on the physical network.

**Answer: B**

**QUESTION 138**

If unicast mode is configured for the overlay transport in an NSX deployment, which two statements correctly define the network support that is required? (Choose two.)

- A. Configure NSX High Availability
- B. Layer 2 switching support in the access and distribution layers
- C. Layer 3 switching support in the access and distribution layers
- D. Configure Jumbo Frame support

**Answer: CD**

**QUESTION 139**

Which two characteristics of the underlying physical network does VMware NSX require for robust IP transport? (Choose two.)

- A. The physical network should provide scalable network I/O using Layer 2 Multipathing (L2MP) and Multichassis Link Aggregation (MLAG).
- B. The physical network should provide scalable network I/O using Equal Cost Multipathing (ECMP).
- C. QoS is not necessary since classification and marking will be done in the overlay.
- D. QoS classification and marking is required to provide end-to-end flow control.

**Answer: BD**

**QUESTION 140**

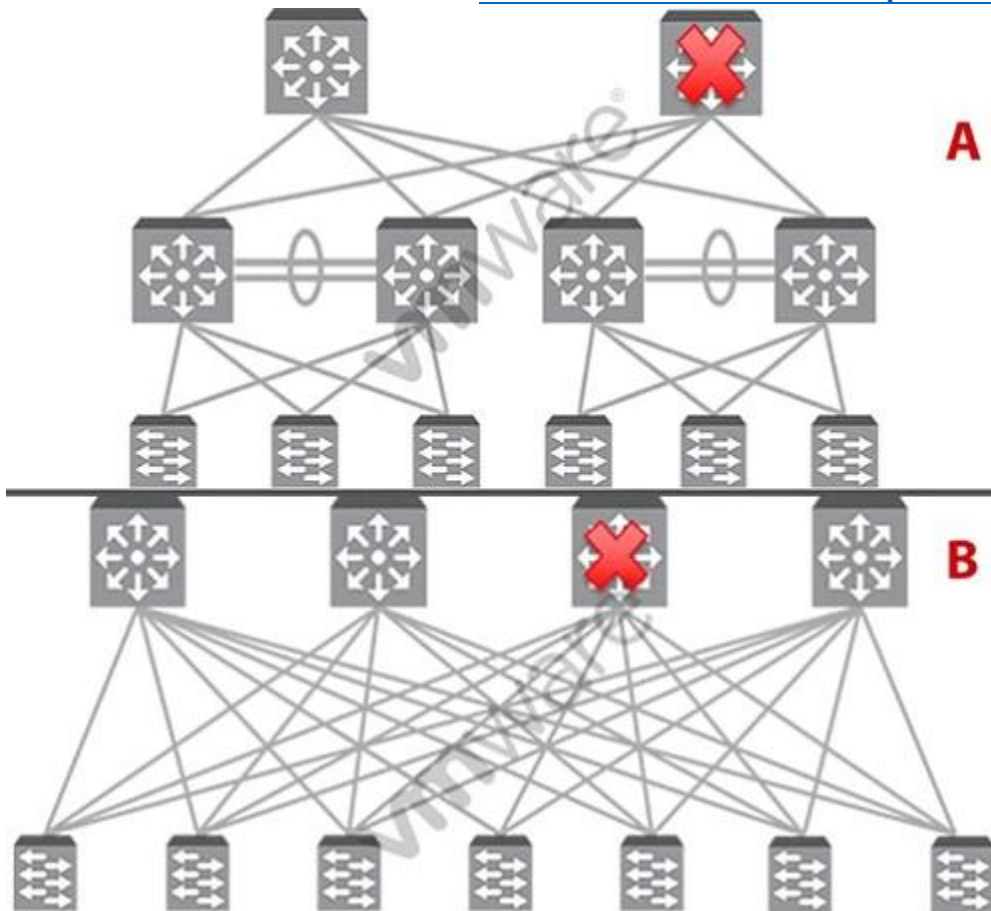
In a data center using a leaf and spine architecture, which two statements define the connectivity between the leaf and spine tiers required to provide optimal network connectivity for NSX? (Choose two.)

- A. Links are required between leaf and spine switches, and from each spine switch to other spine switches in the architecture.
- B. Links are required between leaf and spine switches in the architecture to form a point-to-point connection between the two tiers.
- C. High availability and scalability should be achieved using NSX High Availability.
- D. High availability and scalability should be achieved using Equal Cost Multipathing (ECMP).

**Answer: BD**

**QUESTION 141**

The diagrams show two possible physical network architectures. Each architecture provides a means in dealing with the pictured failure.



Which architecture provides the highest degree of connectivity in the event of the pictured failure?

- A. Both designs will provide the same percentage of connectivity in times of failure.
- B. Neither design is properly architected to work around the displayed failure.
- C. Diagram A's architecture will provide the highest percentage of connectivity in times of failure.
- D. Diagram B's architecture will provide the highest percentage of connectivity in times of failure.

**Answer: D**

#### QUESTION 142

Which two statements describe the network connectivity provided by a vSphere Standard Switch (vSS)? (Choose two.)

- A. A vSS provides a direct and logical connection between a virtual machine NIC and a physical NIC.
- B. A vSS provides a direct and logical connection between two vSphere Distributed Switches.
- C. A vSS connects the vNIC of a virtual machine to the physical network based on the bandwidth of the VM's configured network adapter.
- D. A vSS connects the vNIC of a virtual machine to the physical network and is not restricted to a specific bandwidth allocation based on the VM's configured network adapter.

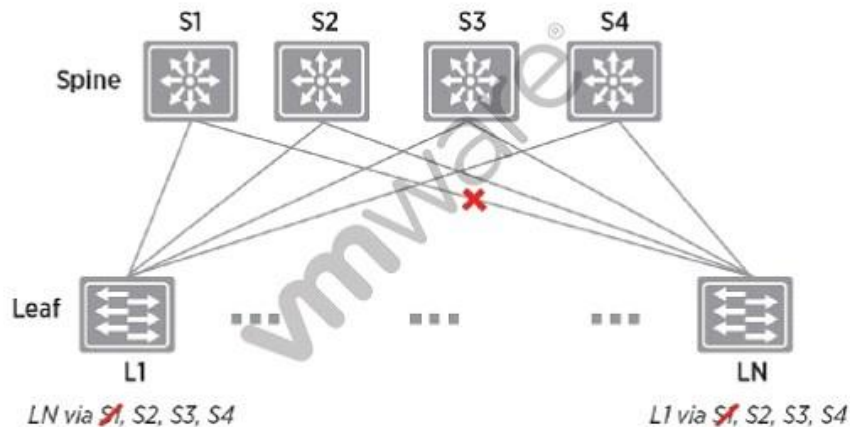
**Answer: AD**

#### QUESTION 143

An NSX administrator has deployed the network shown in the diagram.

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Based on the diagram, which statement describes a valid method for redirecting traffic around the fault?

- A. Building this topology using a layer 2 switched fabric with connectivity between the leafs would allow traffic to be redirected around the fault to another leaf.
- B. Building this topology using a layer 3 routed fabric with connectivity between the leafs would allow traffic to be redirected around the fault to another leaf.
- C. Building this topology using a layer 2 switched fabric with spanning tree will provide the quickest path around the fault to another spine when connectivity is lost.
- D. Building this topology using a layer 3 routed fabric will provide the quickest path around the fault to another spine when connectivity is lost.

**Answer: D**

#### QUESTION 144

An administrator runs the following command.

```
~ # esxcli network vswitch dvs vmware vxlan network mac list --vds-name Compute_VDS --vxlan-id=5001
```

Inner MAC	Outer MAC	Outer IP	Flags
00:50:56:a6:7a:a2	00:50:56:61:23:00	192.168.250.52	00000111

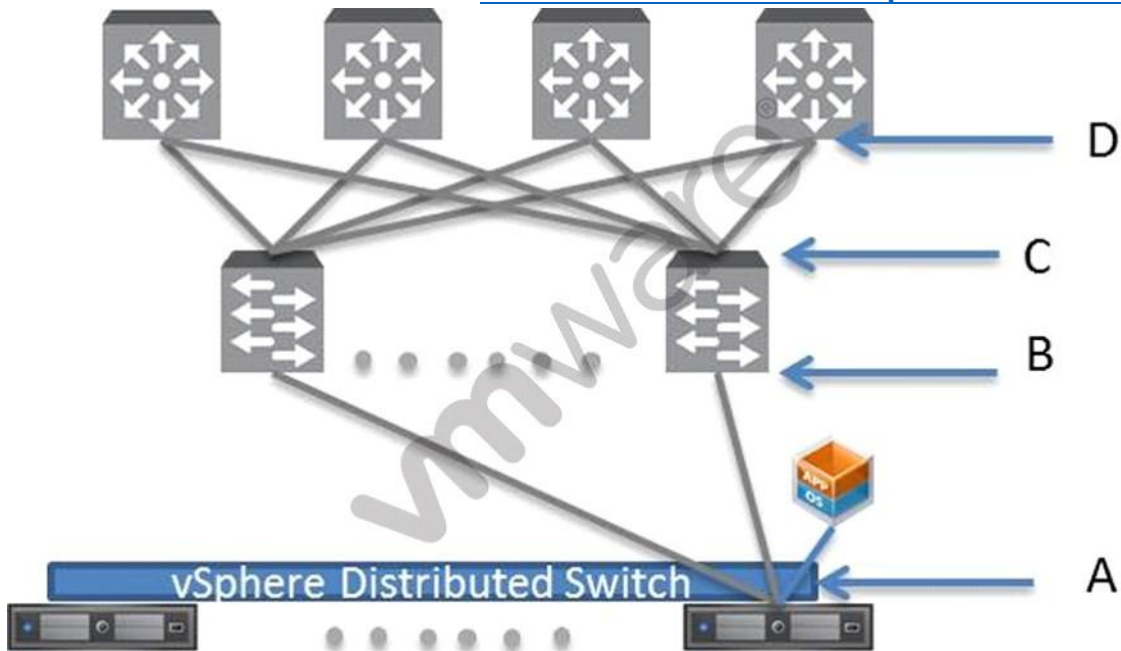
What is the Outer MAC assigned to?

- A. Virtual Machine on the source host
- B. VXLAN Network Identifier (VNI)
- C. VXLAN Tunnel End Point (VTEP)
- D. Virtual Machine on the Logical switch

**Answer: C**

#### QUESTION 145

This diagram details the network connectivity from an NSX network and the supporting physical network. Locations C and D may be required to process packets with QoS tags.



Based on the diagram, which statement details proper processing of packets if they are QoS tagged?

- A. Locations C and D will trust the QoS tags of the encapsulated frame when passing packets.
- B. Location B should trust the QoS tags of the encapsulated frames that are switched.
- C. Location A will mark the inner header of the encapsulated frame.
- D. Location B should trust the QoS tags of the external header.

**Answer: D**

#### QUESTION 146

Which statement is true regarding multicast traffic when implementing NSX?

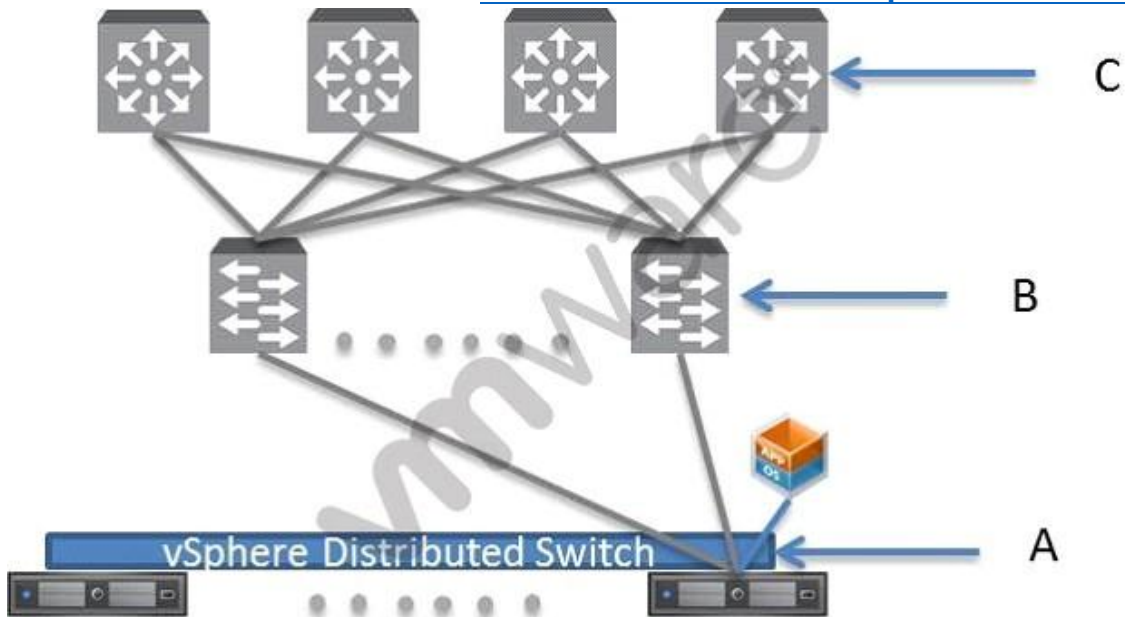
- A. A multicast address range is required when using vCenter Server 5.5
- B. A multicast address range is required when using ESXi 5.1 hosts
- C. A multicast address range is required when using ESXi 5.0 hosts
- D. A multicast address range is required when using vCenter Server 5.1

**Answer: B**

#### QUESTION 147

You are designing a network for NSX and your customer has stated that virtual machine traffic needs to span the virtual and physical space.





Based on the diagram, where should this requirement be configured?

- A. Location A
- B. Location B
- C. Location C
- D. Locations B and C

**Answer: B**

#### QUESTION 148

Choose the two statements correctly describing the way NSX provides integration with Cloud Management Platforms (CMP). (Choose two.)

- A. OpenStack provides integration with the Cinder plug-in.
- B. OpenStack provides integration with the Neutron plug-in.
- C. VMware provides open source API plug-ins for their own CMP products such as vCD and vCAC.
- D. VMware provides out of the box integration with their own CMP products such as vCD and vCAC.

**Answer: BD**

#### QUESTION 149

An NSX administrator is examining an error in the Event Console as shown.

Event Console				
Filter				
Description	Type	Date Time	Task	Target
The dvPort 914 was connected in the vSph...	Information	2/20/2014 3:57 AM		Mgmt_Edge_VDS
Task: Add virtual NIC	Information	2/20/2014 3:57 AM	Add virtual NIC	esx-01a.corp.local
Cannot connect to the specified gateway 1...	Error	2/20/2014 3:57 AM		esx-02a.corp.local
Port vmk3 is now protected by Firewall.	Information	2/20/2014 3:57 AM		esx-02a.corp.local
Cannot connect to the specified gateway 1...	Error	2/20/2014 3:57 AM		esx-01a.corp.local
Port vmk3 is now protected by Firewall.	Information	2/20/2014 3:57 AM		esx-01a.corp.local
New ports were created in the vSphere Dis...	Information	2/20/2014 3:57 AM		Mgmt_Edge_VDS
Task: Add virtual NIC	Information	2/20/2014 3:57 AM	Add virtual NIC	esx-02a.corp.local
Task: Update opaque data for set of entities	Information	2/20/2014 3:57 AM	Update opaque data for ...	
Task: Update opaque data for set of entities	Information	2/20/2014 3:57 AM	Update opaque data for ...	

Date Time:	Thursday, February 20, 2014 3:57:48 AM	Target:	esx-01a.corp.local
User:		Type:	Error
Description:	Thursday, February 20, 2014 3:57:48 AM Cannot connect to the specified gateway 192.168.110.2. Failed to set it.		

Which condition would result in this error?

- A. The configured MTU size on the physical network is too small.
- B. The VTEP IP pool addresses are on the ESXi management network subnet.
- C. VLANs are configured on the logical network.
- D. A VXLAN segment ID pool is not configured.

**Answer: B**

#### QUESTION 150

A company wants to deploy VMware NSX for vSphere and ensure the least amount of bandwidth consumption in the underlying physical architecture. Which replication mode should the logical switches be deployed with?

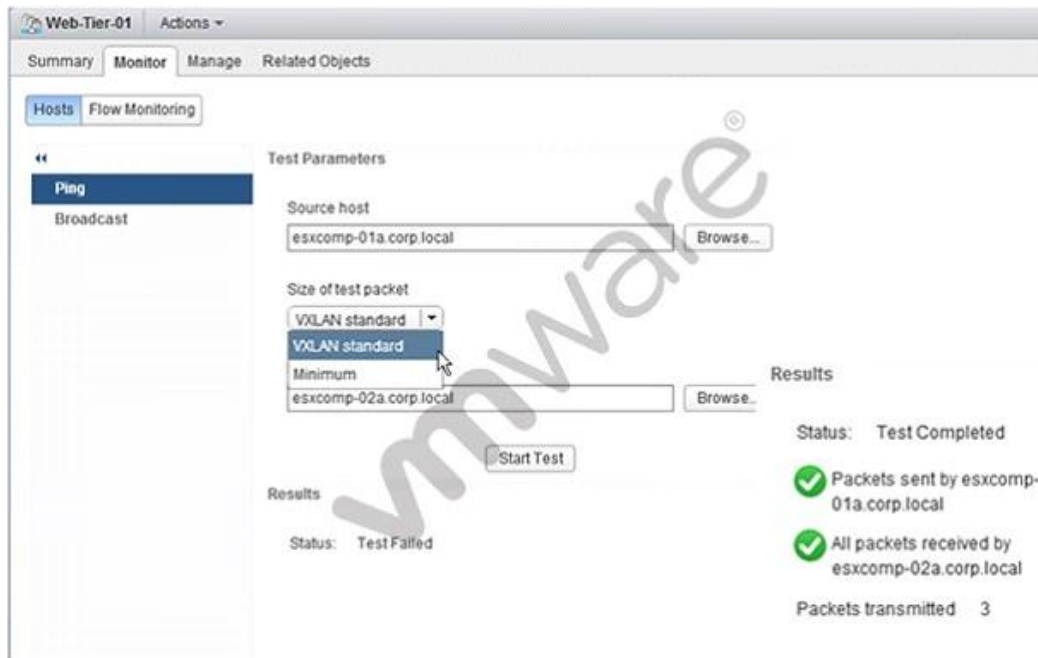
- A. Multicast Replication Mode
- B. Unicast Replication Mode
- C. Hybrid Replication Mode
- D. vSphere Replication Mode

**Answer: A**

#### QUESTION 151

An administrator is testing connectivity between two ESXi hosts and uses the ping utility.





Based on the results shown in the exhibit, which statement is correct?

- A. Communication between the hosts is working correctly.
- B. The hosts are in separate subnets.
- C. The MTU size is too small.
- D. A logical router has not been deployed and configured.

**Answer: C**

#### QUESTION 152

You want to use an existing NSX Manager to extend logical networks to the ESXi hosts of a new cluster. What should you do?

- A. On the Installation > Host Preparation page of the Networking & Security section of the vSphere Web Client, click the Install link for the new cluster.
- B. On the Installation > Host Preparation page of the Networking & Security section of the vSphere Web Client, click the Install link for each of the new hosts.
- C. On the Installation > Management page of the Networking & Security section of the vSphere Web Client, click the green plus sign to deploy a new NSX controller node to the new cluster.
- D. On the Installation > Logical Network Preparation page of the Networking & Security section of the vSphere Web Client, create a new Transport Zone for the new cluster.

**Answer: A**

#### QUESTION 153

What is the earliest version of vCloud Network and Security (vCNS) that can be upgraded to VMware NSX for vSphere 6.0?

- A. vCNS 5.0
- B. vCNS 5.1

- C. vCNS 5.5
- D. vCNS 6.0

**Answer: C**

**QUESTION 154**

Which is not a prerequisite to upgrade vCloud Network and Security Virtual Wires to Logical Switches?

- A. vCloud Network and Security Manager has been upgraded to NSX Manager.
- B. vShield Data Security has been uninstalled.
- C. NSX Controllers have been deployed.
- D. The NSX Manager has been configured with the same IP as the vCloud Network and Security Manager.

**Answer: C**

**QUESTION 155**

High Availability (HA) was not initially configured when an administrator deployed an NSX Edge Service Gateway. What should the administrator do to configure the NSX Edge with HA?

- A. Select the NSX Edge instance from the NSX Edges view in Networking & Security. Go to Manage> Settings> Configuration and add a NSX Edge appliance.
- B. Delete the NSX Edge instance and redeploy it with HA. The existing NSX Edge configuration data will be lost.
- C. Delete the NSX Edge instance and redeploy it with HA. The configuration data is retained by NSX Manager and pushed to the new NSX Edge instance.
- D. Select the NSX Edge appliance from the Virtual Machines and Templates view. Go to Actions> All vCenter Actions> Enable HA to configure High Availability.

**Answer: A**

**QUESTION 156**

Which is not a valid Destination option for a General Logical Firewall rule?

- A. Datacenter
- B. Virtual App
- C. MAC Set
- D. Network

**Answer: C**

**QUESTION 157**

Where are the Logical Firewall logs saved?

- A. On the vNIC-FW module
- B. On the ESXi host
- C. On the NSX Controllers
- D. On the NSX Manager

**Answer: B**

**QUESTION 158**

If a Security Group is the Source for a General Logical Firewall Rule, which Virtual Machines will be affected by the rule?

- A. Each Virtual Machine defined in the Security Group.
- B. Each Virtual Machine defined in the Source and Destination fields of the Logical Firewall Rule.
- C. Each Virtual Machine identified in the Applied To field of the Logical Firewall Rule.
- D. Each Virtual Machine identified in the Destination field of the Logical Firewall Rule.

**Answer: C**

**QUESTION 159**

Which statement best describes firewall packet processing in an NSX environment?

- A. Packets that require firewall processing are redirected to the nearest ESXi host deployed with a virtual machine based firewall.
- B. Packets that require firewall processing are forwarded to a physical firewall appliance.
- C. Packets that require firewall processing are processed in-line on the local hypervisor.
- D. Packets that require firewall processing are forwarded to the nearest ESXi host with an embedded firewall module.

**Answer: C**

**QUESTION 160**

What is the default logging action for rules created on an NSX distributed firewall?

- A. Do not log
- B. Log
- C. Log Critical
- D. Log Information

**Answer: A**

**QUESTION 161**

Which Virtual Machine cannot be protected by the Distributed Firewall?

- A. A Virtual Machine connected to a vDS Portgroup running on an ESXi 5.1 host.
- B. A Virtual Machine connected to a vSS Portgroup running on an ESXi 5.5 host.
- C. A Virtual Machine connected to a vDS Portgroup running on an ESXi 5.5 host.
- D. A Virtual Machine connected to a logical switch running on an ESXi 5.1 host.

**Answer: D**

**QUESTION 162**

Which statement is correct when upgrading vShield Data Security to NSX Data Security?

- A. NSX Data Security does not support a direct upgrade.
- B. NSX Controller must be deployed before the upgrade.
- C. The vCloud Network and Security Virtual Wires must have been upgraded.
- D. vCloud Network and Security must be at least version 5.1 before starting the upgrade.

**Answer: A**

**QUESTION 163**

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A new ESXi 5.5 host is deployed in a vSphere environment with VMware NSX for vSphere. How can the host be prepared for VMware NSX for vSphere?

- A. By using Image Builder to pre-load the NSX for vSphere VIBs in the ESXi image in an Auto Deploy solution.
- B. By leveraging VMware Update Manager to install the new NSX for vSphere VIBs into each of the hosts.
- C. By creating a new VMkernel port in the host from the Host and Clusters inventory view in vSphere Web Client.
- D. By entering the ESXi 5.5 management IP address in the NSX Controllers so the VIBs can be installed.

**Answer: A**

**QUESTION 164**

What is determined when an NSX Administrator creates a Segment ID Pool?

- A. The range of VXLAN Network Identifiers (VNIs) that can be assigned to Logical Switches.
- B. The total number of Logical Switches that can be deployed in a single Compute Cluster.
- C. The range of VLAN segments that can be assigned to Transport Zones.
- D. The total number of addresses that can be used to assign VTEP IP addresses to ESXi hosts during host preparation.

**Answer: A**

**QUESTION 165**

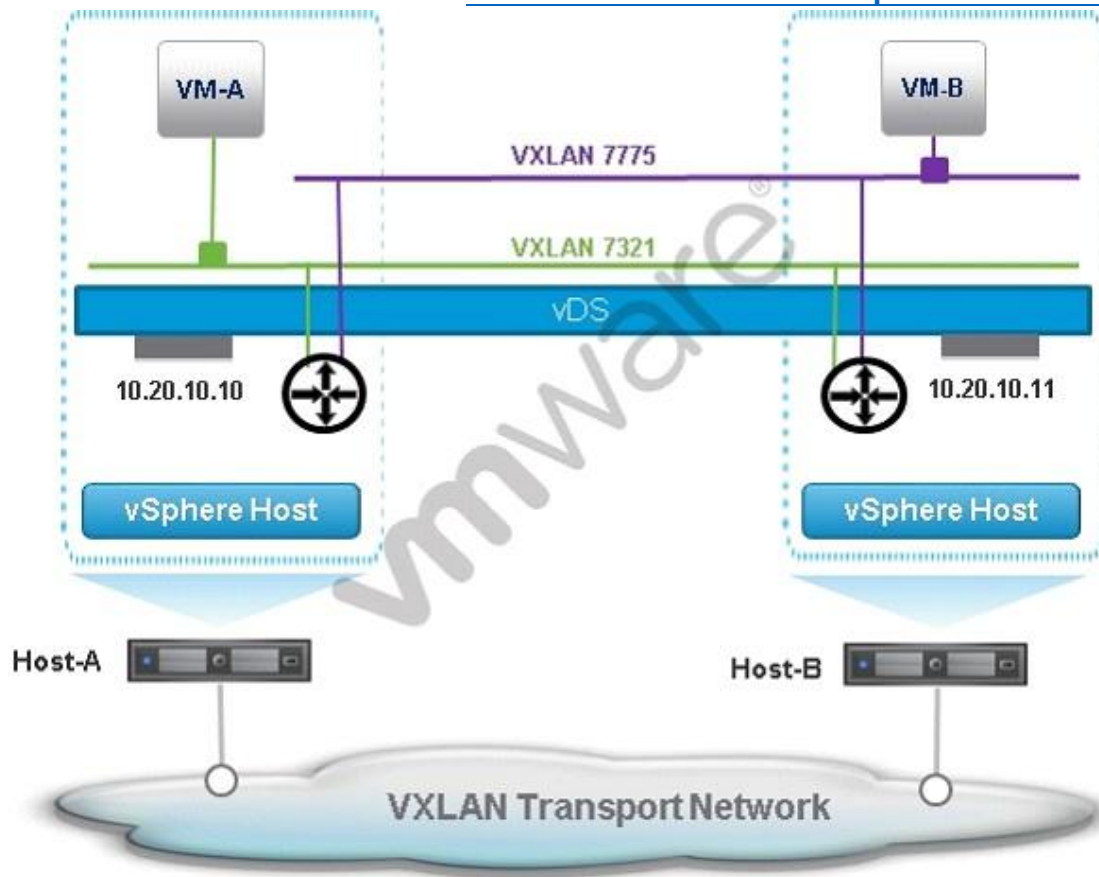
An administrator consults with the network team and decides that Transport Zones will be configured with Hybrid Replication Mode for a new NSX for vSphere deployment. Which statement is true?

- A. The Ethernet segments where the VTEPs are connected have some level of multicast support.
- B. The physical network is configured to support multicast.
- C. The ESXi hosts in the Transport Zone are running on different server hardware.
- D. A multicast range has been configured in the NSX Manager as part of the Logical Network Preparation.

**Answer: A**

**QUESTION 166**

An administrator has created an NSX network as shown in the exhibit.



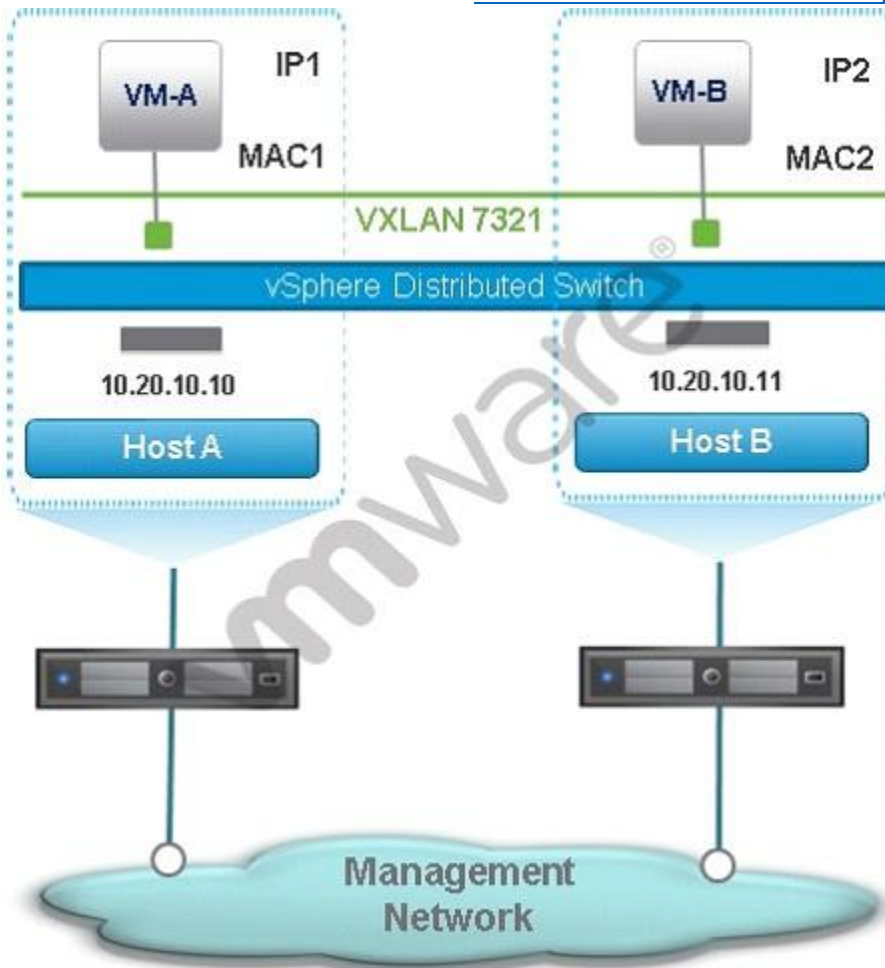
Both VMs in the exhibit use the same distributed router for their default gateway. VM-B obtains its IP address via DHCP. VM-A wants to send a packet to VM-B. How does VM-A learn VM-B's MAC address?

- A. If Host-A is made aware by the NSX Controller of VM-B's MAC and IP addresses, Host-A replies directly to VM-A with an ARP response.
- B. If Host-A is made aware by Host-B of VM-B's MAC and IP addresses, Host-A replies directly to VM-A with an ARP response.
- C. If the NSX Controller is made aware by Host-B of VM-B's MAC and IP addresses, the NSX Controller replies directly to VM-A with an ARP response.
- D. If Host-B is aware of VM-B's MAC and IP addresses, Host-B is able to reply directly to VM-A with an ARP response.

**Answer: A**

#### **QUESTION 167**

An administrator has created the NSX network shown in the exhibit.



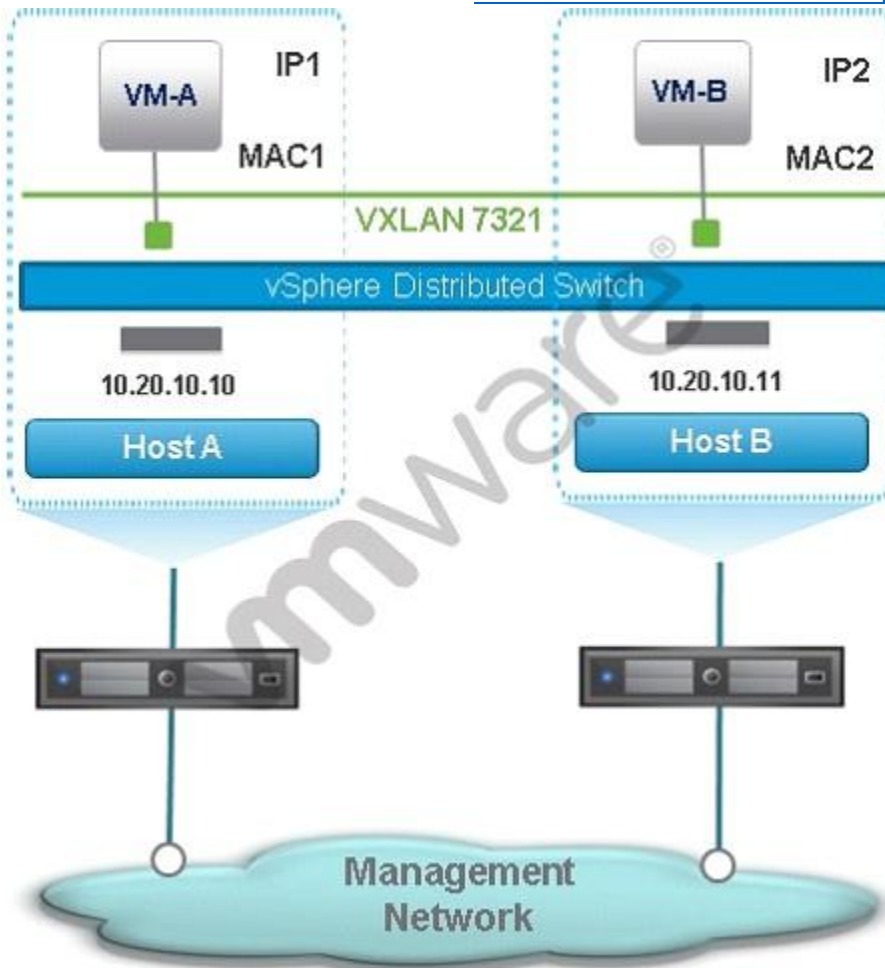
Both VMs use the same Distributed Router for their default gateway. VM-B receives an IP message from VM-A. What is the source MAC address of the IP message received by VM-B?

- A. VM-A's MAC address.
- B. VM-B's default gateway's MAC Address.
- C. VM-A's default gateway's MAC address.
- D. Logical Switch 7321's MAC address.

**Answer: A**

**QUESTION 168**

An NSX administrator creates the NSX network in the exhibit.



What destination IP address will Host-A use when sending a VXLAN frame to Host-B?

- A. The IP address of one of Host-B's new vmkernel ports created during host configuration.
- B. The IP address of Host-B's management vmkernel port, which is also the VTEP IP address.
- C. The IP address of Host-B's NSX Controller.  
The NSX Controller forwards the VXLAN frame to Host-B.
- D. The IP address Host-B provided to Host-A during VXLAN tunnel setup negotiations.

**Answer: A**

#### QUESTION 169

How is the Bridge Instance chosen?

- A. It is chosen based on the ESXi host where the Logical Router Control VM is running.
- B. It is manually assigned by the vSphere administrator when the distributed portgroup is configured.
- C. During an election process among all ESXi hosts.  
The host with the highest MAC address is selected.
- D. The VTEP configured with the highest VXLAN Network Identifier (VNI) is selected.

**Answer: A**



**QUESTION 170**

Which two options are use cases of Layer 2 bridging in NSX for vSphere? (Choose two.)

- A. Extend the network security to physical devices in the physical network by use of the Distributed Firewall.
- B. Extend physical services to Virtual Machines in virtual network.
- C. Allow clustering of multiple NSX Managers in a single vCenter Server instance.
- D. Allow physical devices in the physical network to use the NSX Edge Gateway as a default router.

**Answer: BD**

**QUESTION 171**

Which components are required to enable layer 2 bridging? (Choose two.)

- A. Distributed firewall rule to allow layer 2 traffic in the bridge.
- B. Deployed Logical Switch.
- C. Deployed Logical Router.
- D. VLAN trunk configured on logical switch.

**Answer: AC**

**QUESTION 172**

Which two are valid types of authentication for an OSPF area? (Choose two.)

- A. Password authentication
- B. MD5 authentication
- C. SHA1 authentication
- D. LDAP authentication

**Answer: AB**

**QUESTION 173**

A vSphere administrator wants to add a VLAN LIF to a Distributed Router. What must the vSphere administrator do for the VLAN LIF to be added successfully?

- A. The vSphere administrator must assign a VLAN number to the distributed portgroup that the VLAN LIF connects to.
- B. The vSphere administrator must assign a VLAN number to the Distributed Router that the Logical Switch connects to.
- C. The vSphere administrator must assign a VLAN number to the Logical Switch that the Distributed Router connects to.
- D. The vSphere administrator must assign a VLAN number to the uplink on the distributed switch that the VLAN LIF connects to.

**Answer: A**

**QUESTION 174**

A vSphere administrator added a new interface to a Distributed Router with a subnet of 172.16.10.0/24 and wants to make this subnet reachable to the rest of the network. How can the vSphere administrator achieve this?

- A. Enable OSPF on the Distributed Router.  
Configure the uplink interface in the Backbone area and redistribute into OSPF the 172.16.10.0/24 subnet.

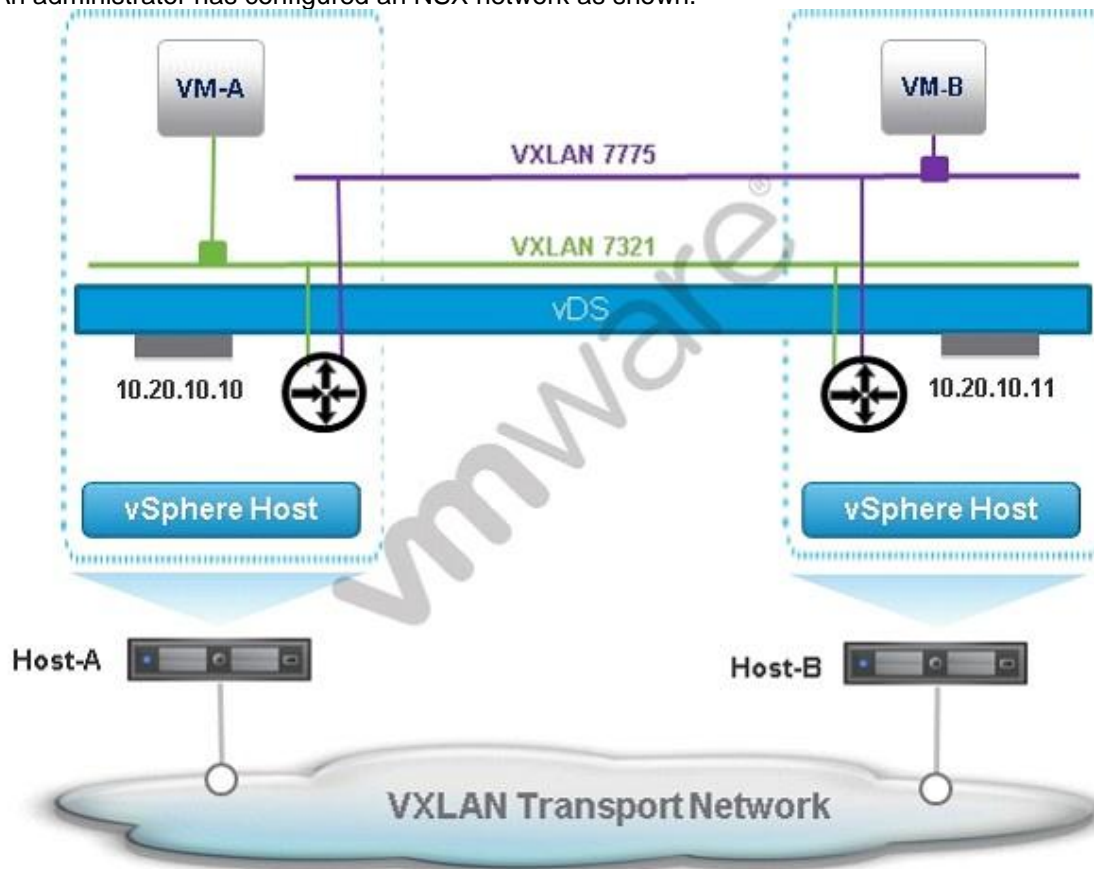


- B. Enable OSPF in the Distributed Router.  
Configure the uplink interface in the normal area and the new interface with the subnet 172.16.10.0/24 in a Backbone area.
- C. Enable OSPF on the Distributed Router.  
Configure the uplink interface in the Backbone area and redistribute from OSPF the 172.16.10.0/24 subnet.
- D. Enable OSPF on the Distributed Router.  
Configure the uplink interface in the Backbone area and the new interface with the subnet 172.16.10.0/24 in a normal area.

**Answer: D**

**QUESTION 175**

An administrator has configured an NSX network as shown.



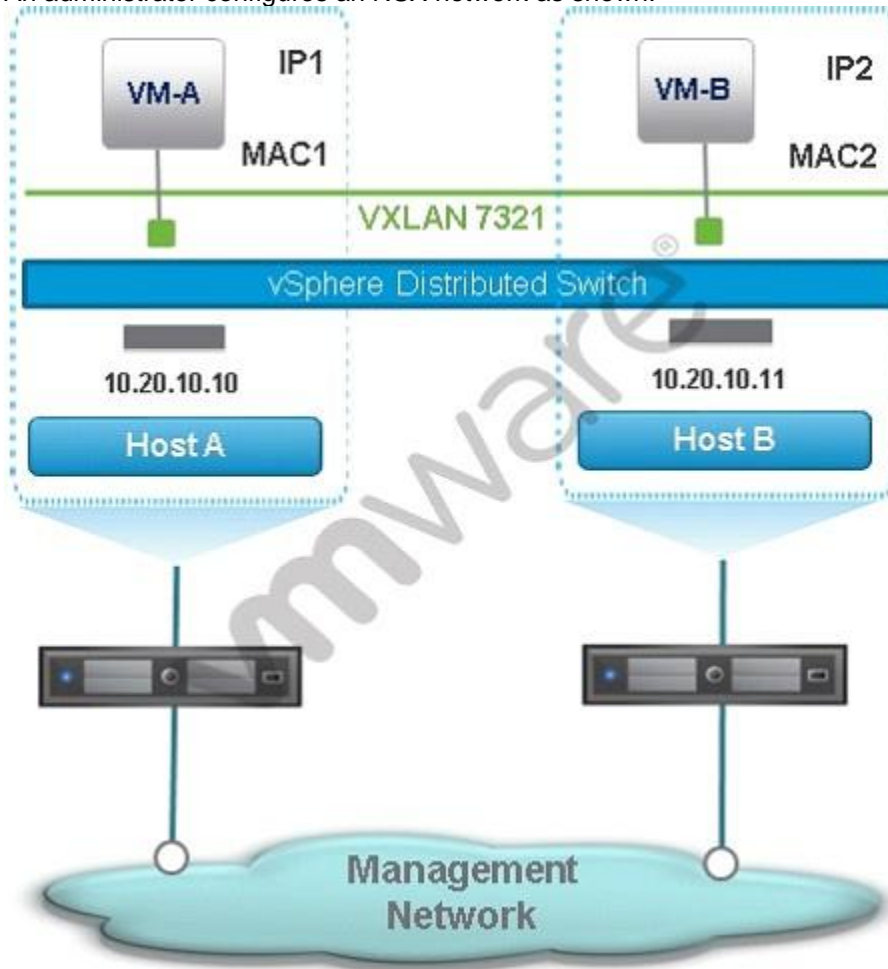
Both VM-A and VM-B use the same Distributed Router for their default gateway. If VM-A sends a packet to VM-B, what happens to the packet before it reaches VM-B?

- A. Distributed Router in Host-A receives the packet from VM-A and forwards it to Logical Switch 7775 in Host-B, via a VXLAN frame, which delivers it to VM-B.
- B. Logical Switch 7321 in Host-A receives the packet inside a frame from VM-A and forwards it to Logical Switch 7775 in Host-B, via a VXLAN frame, which delivers it to VM-B.
- C. Distributed Router in Host-A receives the packet from VM-A and forwards it to Logical Switch 7321 in Host-B, via a VXLAN frame, which delivers it to Logical Switch 7775 before it is delivered to VM-B.
- D. Logical Switch 7321 in Host-A receives the packet from VM-A and forwards it to the Distributed Router in Host-B, which passes it along to Logical Switch 7775 in Host-B before it is delivered to VM-B.

**Answer: A**

**QUESTION 176**

An administrator configures an NSX network as shown.



Both VM-A and VM-B use the same Distributed Router for their default gateway. VM-B receives an IP message from VM-A. What is the source MAC address of the IP message received by VM-B?

- A. VM-B's default gateway's MAC address.
- B. VM-A's MAC address.
- C. VM-A's default gateway's MAC address.
- D. Logical Switch 7321's MAC address.

**Answer: A**

**QUESTION 177**

Which two options are valid distribution methods used by the NSX Edge Load Balancer? (Choose two.)

- A. Destination IP Hash
- B. Least Load
- C. URI

D. Round Robin

**Answer: CD**

**QUESTION 178**

A vSphere administrator deployed an NSX Edge Load Balancer in HA mode. What happens in the event the Load Balancer has a failure?

- A. The secondary NSX Edge Load Balancer assumes the role of primary. Existing Flows will need to have their connections reestablished.
- B. HA will start the NSX Edge Load Balancer on another ESXi host in the cluster. All existing flows will need to have their connections reestablished.
- C. HA will start the NSX Edge Load Balancer on another ESXi host in the cluster. The NSX Controller caches existing flows and hands them to the Load Balancer when it is back up.
- D. The secondary NSX Edge Load Balancer assumes the role of primary. The NSX Controller caches existing flows and hands them to the Load Balancer when it is back up.

**Answer: A**

**QUESTION 179**

A virtual machine, VM21, will be migrated between two ESXi 5.x hosts, labeled ESXi01 and ESXi02. Each host has two vSphere Standard Switches (vSS), configured as follows.

1. vSwitch0 has a portgroup labeled Management and a portgroup labeled vMotion.
2. The Management portgroup contains a vmkernel port tagged for management traffic.
3. The vMotion portgroup contains a vmkernel port tagged for vMotion traffic.
4. vSwitch0 on ESXi01 has a single uplink attached to the 10.1.20.0/24 network.
5. vSwitch0 on ESXi02 has a single uplink attached to the 10.1.20.0/24 network.
6. Each host has a vSwitch1 with a Production portgroup used by virtual machine traffic.
7. Each vSwitch1 has an uplink attached to the 10.1.40.0/24 network.

What is true about migrating VM21 to the new host?

- A. vMotion would be supported in this configuration.
- B. Storage vMotion would not be supported in this configuration.
- C. vMotion would not be supported in this configuration.
- D. Storage vMotion would be supported if the storage device supports VAAI.

**Answer: A**

**QUESTION 180**

A vNetwork Standard Switch has been configured for IP based load balancing uplinks. A new uplink is added to the switch. How will the additional uplink be configured by default?

- A. The uplink is placed in standby mode until it is added to the active NIC team.
- B. The uplink is considered active, but it will not participate in the active NIC team until assigned to a port group.
- C. The uplink automatically becomes a part of the IP-based NIC team.
- D. The uplink is marked as unused until it is added to the active NIC team.

**Answer: C**

**QUESTION 181**

What are two network load-balancing policies for a vSphere Distributed Switch? (Choose two.)

- A. Route based on source MAC hash
- B. Route using physical NIC load
- C. Route based on the destination virtual port ID
- D. Route based on port IP hash

**Answer: AD**

**QUESTION 182**

Which methods can be used to migrate a VMkernel port from a vSphere Standard Switch to a vSphere Distributed Switch? (Choose two.)

- A. Use the Add Virtual Adapter wizard from the Manage Virtual Adapters window.
- B. Use the Manage Hosts wizard from the Configuration tab of the vDS .
- C. Use the Migrate Virtual Machine Networking option to select the port from a list.
- D. Edit the Network Adapter settings for the port and select a dvPort group from the list.

**Answer: AB**

**QUESTION 183**

An administrator creates an ESXi cluster using vSphere Auto Deploy. The ESXi hosts are configured to get a management IP address from a DHCP server. The administrator needs to troubleshoot the management network on one of the hosts. Which DCUI option should the administrator use to renew the DHCP lease?

- A. Restart Management Network
- B. Restore Network Settings
- C. Test Management Network
- D. Configure Management Network

**Answer: A**

**QUESTION 184**

Why would an administrator be unable to locate an IP address for a vSphere vmnic uplink?

- A. IP addresses are defined at the virtual nic level, not the vmnic level.
- B. ESXi host vmnics communicate with physical switches on layer 3.
- C. ESXi hosts use NAT translation to mask the actual vmnic IP address.
- D. The IP address of the vmnic is not shown in the vSphere Client.

**Answer: A**

**QUESTION 185**

An administrator needs to create an IP allocation policy for a multi-tiered application running in a vApp. The IP addresses should be allocated automatically by vCenter Server, but should not be released even if a virtual machine is powered off. Which IP allocation model should the administrator use for the vApp?

- A. Static - Manual
- B. Transient - IP Pool
- C. DHCP
- D. Static - IP Pool

**Answer: D**

**QUESTION 186**

A system administrator is deploying a Windows virtual machine from a template and needs the IP address to be customized automatically. How should the administrator configure the IP address?

- A. Use the Microsoft Sysprep Tool.
- B. Specify IP addresses using the Deploy Virtual Machine Wizard.
- C. Use the VMware Quickprep Tool.
- D. Manually configure IP addresses after the deployment has completed.

**Answer: A**

**QUESTION 187**

Where are IP addresses for a vSphere Storage Appliance (VSA) cluster managed?

- A. On each VSA appliance using a web-based portal
- B. On the VSA Manager tab for the cluster hosting VSA
- C. On the VSA Manager appliance using a web-based portal
- D. On the vCenter server installed on a VSA host

**Answer: B**

**QUESTION 188**

A DRS cluster has been created with two ESXi hosts. One host in the cluster is running at 98 percent CPU utilization. The other host is running at 52 percent utilization. Upon analysis, it appears that none of the virtual machines are being migrated from the CPU-constrained host, and no recommendations are being generated. What are the two most likely causes of the problem? (Choose two.)

- A. The VMkernel port is assigned an incorrect IP address.
- B. VMotion is not enabled on the VMkernel port.
- C. DRS migration Threshold is not set high enough.
- D. VMware DRS is not set to Fully Automated.

**Answer: AB**

**QUESTION 189**

When cloning a virtual machine to a template, what two attributes from the list below can be changed for the destination virtual disk? (Choose two.)

- A. Virtual disk format
- B. Number of network adaptors
- C. IP Address
- D. Location for virtual machine files

**Answer: AD**

**QUESTION 190**

In a Cross-vCenter environment where is information about local logical switches and local logical routers maintained?

- A. Platform Services Controller
- B. Local transport /one
- C. Local Controller Cluster
- D. Universal Controller Cluster

**Answer: D**

**QUESTION 191**

Which two statements are true about NSX Data Security support? (Choose two )

- A. It supports HIPAA and PCI-DSS compliance policies as well as U.S. Driver License and Social Security numbers.
- B. It supports both Windows and Linux-based virtual machines.
- C. It only supports HIPAA and PCI-DSS compliance policies.
- D. It only supports Windows-based virtual machines.

**Answer: BC**

**Explanation:**

<https://www.vmware.com/products/nsx.html>

**QUESTION 192**

An organization is planning to use NSX as part of a disaster recovery project to provide consistent networking between two sites. Each site has one vCenter server. The organization requires universal objects and requires components to function during a site outage. What is the minimum total instances of NSX Manager(s) and NSX Controller(s) that must be deployed across both sites to supporting the required functionality?

- A. Two NSX Managers and two NSX Controllers
- B. Two NSX Managers and six NSX Controllers
- C. Two NSX Managers and three NSX Controllers
- D. Two NSX Managers and four NSX Controllers

**Answer: A**

**QUESTION 193**

What is required before running an Activity Monitoring report?

- A. Enable data collection on the NSX Controller.
- B. Enable data collection on the vCenter Server.
- C. Enable data collection on the NSX Manager.
- D. Enable data collection on the virtual machine.

**Answer: D**

**QUESTION 194**

Which two are accurate statements with regards to Guest Introspection installation? (Choose two.)

- A. The service virtual machine performs data security and activity monitoring.

- B. The installation deploys a virtual machine to hosts prepared for VMware NSX.
- C. A security policy weight of 4300 is assigned to hosts prepared to Guest Introspection.
- D. Guest Introspection is deployed with NSX Data Security by default.

**Answer: AD**

**QUESTION 195**

Which highly available Edge design would provide high bandwidth and isolation to four application networks?

- A. Four Distributed Routers (standalone mode) with one Edge Services Gateway in Active/Standby mode.
- B. One Edge Services Gateway in ECMP mode.
- C. One distributed Router (in HA mode) with two Edge Services Gateways in ECMP mode.
- D. Four Distributed Routers (in HA mode) with one Edge Services Gateway in Active/Standby mode.

**Answer: D**

**QUESTION 196**

Which tool is used to display VXLAN connection information?

- A. pktcap-uw
- B. NSX Controller CLI
- C. esxtop
- D. VDS Health Check

**Answer: B**

**QUESTION 197**

Which three changes to a distributed switch configuration could trigger a rollback? (Choose three.)

- A. Blocking all ports in the distributed port group containing the management VMkernel network adapter.
- B. Configure the virtual machine system traffic to enable bandwidth allocation using Network I/O Control.
- C. Adding a new host with a previous vDS configuration.
- D. Changing the MTU.
- E. Changing the VLAN settings in the distributed port group of the management VMkernel adapter.

**Answer: ADE**

**Explanation:**

[https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=2032908](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2032908)

**QUESTION 198**

When running the NSX Control Plane in Hybrid Mode what are the minimum physical network requirements? (Choose three.)

- A. MTU 1500
- B. NSX Controller connectivity
- C. IGMP Snooping
- D. Multicast Routing with PIM
- E. Unicast L3 Routing



**Answer:** ABC

**QUESTION 199**

What are two requirements of the network infrastructure to the access layer? (Choose two.)

- A. IPv4 connectivity among ESXi hosts provided by a spine-leaf network design.
- B. IPv4 connectivity among ESXi hosts.
- C. Increased MTU if the virtual machines are using the default MTU size of 1500.
- D. A Redundant, Layer 3, Top-of-Rack network design to provide high availability to ESX hosts.

**Answer:** AC

**QUESTION 200**

Which type of VPN should be configured to ensure application mobility data centers?

- A. Application VPN
- B. L2VPN
- C. IPSec VPN
- D. SSL VPN-Plus

**Answer:** B

**Explanation:**

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/nsx/vmw-nsx-network-virtualization-design-guide.pdf> (page 23)

**QUESTION 201**

An administrator needs to verify which port the switch manager is using. Which command should be used?

- A. show controller-cluster status
- B. show controller-cluster core stats
- C. show controller-cluster connections
- D. show controller-cluster logical-switches

**Answer:** C

**QUESTION 202**

Which two NSX Data Security roles could be assigned to view configured policies and violation reports? (Choose two.)

- A. Security Administrator
- B. NSX Administrator
- C. Auditor
- D. Enterprise Administrator

**Answer:** AC

**QUESTION 203**

Which is a prerequisite for deploying an Edge Service Gateway?

- A. Firewall Default Policy
- B. An interface



- C. Default Gateway
- D. High Availability

**Answer: B**

**Explanation:**

<http://buildvirtual.net/vcp-nv-deploying-an-edge-services-gateway/>

**QUESTION 204**

A virtualized application needs access to a physical database. Both servers are on the 172.168.3.0/24 subnet. NSX has been deployed across the entire virtual environment. What method can be used to allow access between the servers?

- A. Configure a DLR with an L2 bridge instance for 172.168.3.0/24 VXLAN to VLAN traffic.
- B. Route 172.168.3.0/24 to the NSX Edge where the logical switch of the application exists.
- C. Configure a NAT rule for 172.177.13/024 for the database physical router.
- D. Configure the logical switch to bridge 172.168.3.0/24 to the physical router of the database.

**Answer: D**

**QUESTION 205**

An administrator wants to perform Activity Monitoring on a large group of virtual machines in an NSX environment. How would this task be accomplished with minimal administrative effort?

- A. Create a PowerCLI script to enable virtual machine data collection on each virtual machine.
- B. Create a security group in Service Composer and add the virtual machines to the security group.
- C. Add the virtual machines to the pre-defined Activity Monitoring security group in Service Composer.
- D. Add the virtual machines to a VM folder in vCenter Server and enable data collection.

**Answer: C**

**QUESTION 206**

An administrator needs to perform a configuration backup of NSX. From which two locations can this task be performed? (Choose two.)

- A. Directly on the NSX Manager
- B. From the vSphere Web Client
- C. Using the NSX API
- D. Directly on each NSX Controller

**Answer: AC**

**QUESTION 207**

What is a requirement of NSX Data Security?

- A. NSX manager must be configured for Active Directory integration
- B. The Global Flow Collection Status must be set to Enabled
- C. Guest Introspection must be installed on the cluster
- D. An IP Pool must be created.

**Answer: C**

**Explanation:**

<http://pubs.vmware.com/NSX-61/index.jsp?topic=%2Fcom.vmware.nsx.install.doc%2FGUID->

62B22E0C-ABAC-42D8-93AA-BDFCD0A43FEA.html

**QUESTION 208**

A user has configured a specific distributed firewall rule preventing VM-A (172.16.10.11) on the Web-Logical Switch to communicate to VM-B (172.16.20.11), running on the same switch. After the changes, the user is still able to communicate to VM-A from VM-B. To debug this anomaly, the user will need to obtain logs from which component?

- A. The Distributed Logical Router
- B. The Edge Services Gateway
- C. The appropriate ESXi Host(s)
- D. The appropriate NSX Controller(s)

**Answer: D**

**QUESTION 209**

What is the effect on NSX Edge virtual machines when NSX Edge high availability is configured but vSphere HA is NOT configured?

- A. The active-standby NSX Edge pair will survive one failure.  
However, the virtual machines must reside on the same host to prevent NSX Edge availability from being compromised.
- B. The active-standby NSX Edge HA pair will survive multiple failures.
- C. The active-standby NSX Edge HA pair will survive one failure.  
However, if another failure happens before the second Edge appliance is restored, NSX Edge availability can be compromised.
- D. The active-standby NSX Edge HA pair will survive two failures.  
However, the virtual machines must reside on two different hosts.

**Answer: C**

**QUESTION 210**

When configuring BGP routing in NSX, what is the purpose of the Graceful Restart check box?

- A. Allow packet forwarding to be paused during restart of BGP services
- B. Allow packet forwarding to be uninterrupted during restart of BGP services
- C. Automatically restart the local router when BGP session is established
- D. Automatically restart the peer router when BGP session is established

**Answer: A**

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-for-vSphere/6.3/com.vmware.nsx.admin.doc/GUID-EF251ED4-5BCA-43D5-9C01-975601EACF1E.html>

**QUESTION 211**

What vSphere Distributed Switch security policy allows virtual machines to send frames with a MAC Address that is different from the one specified in the vmx file?

- A. MAC Address Changes
- B. Failover detection
- C. Forged Transmits
- D. Promiscuous Mode

**Answer: C**

**Explanation:**

<http://www.vmwarearena.com/vsphere-distributed-switch-part-16/>

**QUESTION 212**

An NSX administrator notices an error during the initial configuration of the SSO lookup service, as shown.

Trust Certificate?

• NSX Management Service operation failed. (initialization of STS Clients failed. Root Cause. The SSL certificate of STS service cannot be verified)

Lookup Service <https://vc1.glacier.local:7444/lookupservice/sdk> presented an SSL certificate with the following thumbprint:

4C:9F:AE:2D:AD:D2:BB:90:E1:E0:32:A7:1C:2B:1E:E5:4D:B5:2B:8C

Proceed with this certificate?

Yes

No

The administrator pulls up the lookup service status, which displays Disconnected.

Lookup Service

For vCenter versions 5.1 and above, you may configure Lookup Service and provide the SSO administrator credentials to register NSX I

Lookup Service:	<a href="https://vc1.glacier.local:7444/lookupservice/sdk">https://vc1.glacier.local:7444/lookupservice/sdk</a>
SSO Administrator User Name:	administrator@vsphere.local
Status:	<div>● Disconnected</div>

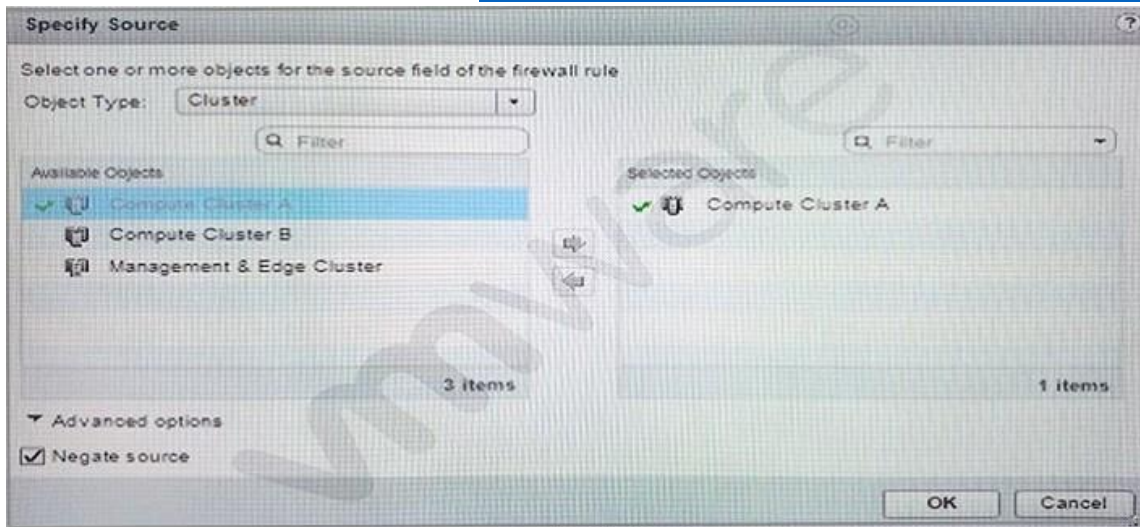
What step should be performed to resolve this issue?

- A. Change the Port number from 7444 to 443
- B. Change the SSO Administrator User Name
- C. Regenerate the SSL Certificate and reboot the NSX Manager
- D. Use IP address versus the DNS name in the Lookup Service

**Answer: C**

**QUESTION 213**

When specifying a source for a security rule, what is the purpose of the Negates Source check box?



- A. If Negate Source is selected, the rule is sent to only the objects identified under object type.
- B. If Negate Source is selected, the rule is applied to traffic coming from all sources except for the source identified under the object type.
- C. If Negate Source is not selected, the rule is applied to traffic coming from all sources except for the source identified under the object type.
- D. If Negate Source is not selected, the rule is sent to only the objects identified under the object type.

**Answer: B**

**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-C7A0093A-4AFA-47EC-9187-778BDDAD1C65.html>

#### QUESTION 214

Which three objects are supported for universal synchronization in a Cross-vCenter NSX deployment? (Choose three.)

- A. IP Pools
- B. IP Sets
- C. L2 bridges
- D. MAC Sets
- E. Transport Zones

**Answer: BDE**

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-for-vSphere/6.3/com.vmware.nsx.admin.doc/GUID-229D0501-836E-4788-A72E-4D3DEBF2B26D.html>

#### QUESTION 215

Which are two uses of the NSX DLR protocol address? (Choose two.)

- A. When configuring BGP the protocol address is used to forward traffic to peers.
- B. When configuring BGP the protocol address is used by the protocol to form adjacencies with peers.
- C. When configuring OSPF the protocol address is used to forward traffic to peers.
- D. When configuring OSPF the protocol address is used by the protocol to form adjacencies with peers.

**Answer: BC**

**QUESTION 216**

Which two statements are true regarding L2 Bridges and Distributed Logical Routers? (Choose two.)

- A. Each L2 bridge instance can only map to a single VLAN
- B. There can only be one instance of an L2 bridge on a DLR
- C. There can be multiple instances of an L2 bridge on a DLR
- D. Each L2 bridge instance can map to multiple VLANs.

**Answer: AC**

**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-ECE2893A-A1A6-4D43-93DA-AE4A97ABBF44.html>

**QUESTION 217**

Which details can an administrator verify from the Summary tab of the VMware NSX Manager? (Choose three.)

- A. Current time
- B. Average MTBF
- C. Version
- D. Storage utilization
- E. Health Score

**Answer: BCD**

**QUESTION 218**

Which port is used for NSX REST API Requests?

- A. 80
- B. 443
- C. 5480
- D. 8443

**Answer: B**

**QUESTION 219**

Which vSphere network object obstructs the physical network, provides access-level switching in the hypervisor and enables support for overlay networking?

- A. Standard Switch
- B. Distributed Port Group
- C. Distributed Switch
- D. Logical Switch

**Answer: C**

**Explanation:**

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/nsx/vmw-nsx-network-virtualization-design-guide.pdf>

**QUESTION 220**

Which is required to support unicast mode in NSX?

- A. Hardware VTEP
- B. Distributed Logical Router
- C. NSX Controller
- D. NSX Edge

**Answer: C**

**Explanation:**

<http://www.virtually-limitless.com/vcix-nv-study-guide/create-transport-zones-in-nsx/>

**QUESTION 221**

Where can firewall rules be applied on the NSX Edge Services Gateway?

- A. Rules can be applied on the uplink interface only.
- B. Rules can be applied on either the uplink interface or internal interface.
- C. Rules can be on either the uplink, internal, or management interfaces.
- D. Rules can be applied on the management and uplink interfaces only.

**Answer: B**

**QUESTION 222**

What is true when configuring vSphere Distributed Switches (vDS)?

- A. All configurations are done by the vCenter Server. Each ESXi host can be part of multiple vDS.
- B. All configurations are done by the vCenter Server. Each ESXi host can be part of only one vDS.
- C. All configurations are done by the NSX Manager. Each ESXi host can be part of only one vDS.
- D. All configurations are done by the NSX Manager. Each ESXi host can be part of multiple vDS.

**Answer: B**

**QUESTION 223**

An administrator creates a SpoofGuard policy for specific network. Which two modes are associated with this type of policy? (Choose two.)

- A. Automatically trust IP assignments on their first use
- B. Manually inspect and approve all IP assignments before use
- C. Manually approve IP assignments listed in the Host file before use
- D. Automatically inspect and trust IP assignments on every use

**Answer: AB**

**QUESTION 224**

A network administrator is troubleshooting an issue and needs to observe an injected packet as it passes through the physical and logical network. Which tool will accomplish this?

- A. Traceflow
- B. NetFlow
- C. Flow Monitoring
- D. Activity Monitoring



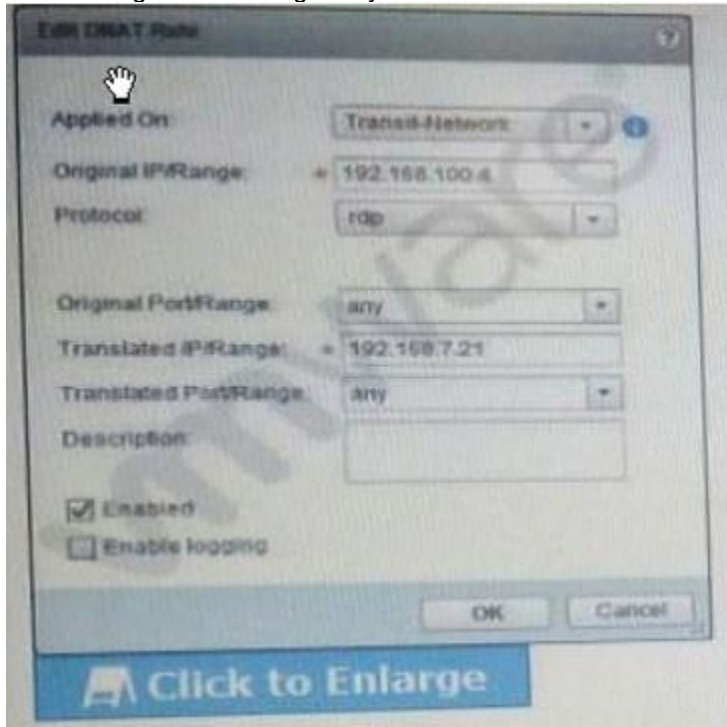
**Answer: A**

**Explanation:**

<https://pubs.vmware.com/NSX-62/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-05647D5E-B669-40A8-8B84-02C18781186F.html>

**QUESTION 225**

What configuration change do you need to make to allow this connection?



- A. Change Applied On to "Uplink"
- B. Change the Translated Port/Range to "rdp"
- C. Swap the Original IP/Range and Translated IP/Range IP Addresses
- D. Change the Protocol to "any"

**Answer: C**

**QUESTION 226**

When deploying a standalone NSX Edge as a Layer 2 VPN client, which port needs to be configured on the client vSphere Distributed Switch?

- A. Trunk port
- B. Span port
- C. Sink port
- D. Mirror port

**Answer: A**

**Explanation:**

<https://pubs.vmware.com/NSX-62/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-C9E2B0E4-F1C1-44A7-B142-F814F801FA42.html>

**QUESTION 227**

An administrator enables the NSX Ticket Logger to track infrastructure changes. The administrator logs out for lunch, returns and logs back in to complete the task. What is the status of ticket logger when the administrator logs back in?

- A. The ticket logger still tracks changes until it is turned off by the administrator.
- B. The ticket logger is turned off.
- C. The ticket logger will prompt the user if they still want to continue tracking changes.
- D. The ticket logger will display an error.

**Answer: B**

**QUESTION 228**

If the Applied To scope is set to Distributed Firewall, which virtual machines will have the firewall rule applied?

- A. Only the virtual machines defined in the Source field.
- B. Only virtual machines defined in the Destination field.
- C. All virtual machines in a Datacenter.
- D. All virtual machines on prepared hosts.

**Answer: C**

**Explanation:**

<http://www.routetocloud.com/2015/04/nsx-distributed-firewall-deep-dive/>

**QUESTION 229**

An NSX Administrator is examining a broken set of firewall rules and discovers that the Block Telnet rule was created in the wrong section.

	Name	Source	Destination	Service	Action	Applied To
<b>NSX Maximum Security (Rule 1 - 2)</b>						
1	Block Web	* any	* any	HTTP	Block	Any
2	Block SSH	* any	* any	SSH	Block	Any
<b>Firewalling without VMTools (Rule 3)</b>						
3	Deny Traffic to Linux-01a	* any	Linux-01a	* any	Reject	Distributed Firewall
<b>Default Section Layer3 (Rule 4 - 7)</b>						
4	Default Rule NDP	* any	* any	IPv6-ICMP Neighbor...	Allow	Distributed Firewall
5	Block Telnet	* any	* any	TELNET	Block	Any
6	Default Rule DHCP	* any	* any	DHCP-Client	Allow	Distributed Firewall
7	Default Rule	* any	* any	DHCP-Server	Block	Distributed Firewall

Based on the exhibit, which option would correct the issue with the least amount of effort?

- A. Use the Merge Section functionality to correct this.
- B. Use the Move rule Up icon to move rules between sections.
- C. Add a new rule called Block Telnet to the correct section and then remove the existing rule.
- D. Delete the rule and then re-add the rule to the correct section.

**Answer: D**

**QUESTION 230**



Which NSX component can validate that security policies at your organization are being enforced correctly?

- A. Activity Monitoring
- B. Flow Monitoring
- C. ERSPAN
- D. Distributed firewalls

**Answer: A**

**QUESTION 231**

An organization has PCI compliant application deployed as part of a larger NSX environment. Every year a team of contractors evaluates the security of the environment and recommends changes. What NSX Role and Scope should the contractors be given to minimize access but still allow them to fulfill the stated requirement?

- A. Security Administrator, No restrictions
- B. Auditor. Limit access scope
- C. NSX Administrator, Limit access scope
- D. Enterprise Administrator, Limit access scope

**Answer: D**

**QUESTION 232**

Which virtual machine does VMware recommend be manually excluded from the Distributed Firewall?

- A. NSX Manager
- B. vCenter Server
- C. Microsoft SQL Server
- D. vRealize Automation Appliance

**Answer: B**

**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-C3DDFBCE-A51A-40B2-BFE1-E549F2B770F7.html>

**QUESTION 233**

Which three ways can membership be defined in a dynamic security group? (Choose three)

- A. Distributed Firewall Rules
- B. Locale ID
- C. Security Tags
- D. Security Groups
- E. Regular Expressions

**Answer: BCD**

**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-B9FC0D05-BE96-4D83-8C58-98B0F96DB342.html>

**QUESTION 234**

Which three options are true about NSX logical bridges? (Choose three.)

- A. A logical bridge configured for HA uses a 15 second heartbeat by default to detect failure.
- B. A logical bridge configured for HA uses (BFD) Bi-Directional Forwarding to detect a failure in a minimum of one second
- C. A logical bridge on the DLR supports VXLAN to VLAN bridging.
- D. A logical bridge forwards traffic through the control VM.
- E. A logical bridge forwards traffic through the hypervisor.

**Answer: CDE**

**QUESTION 235**

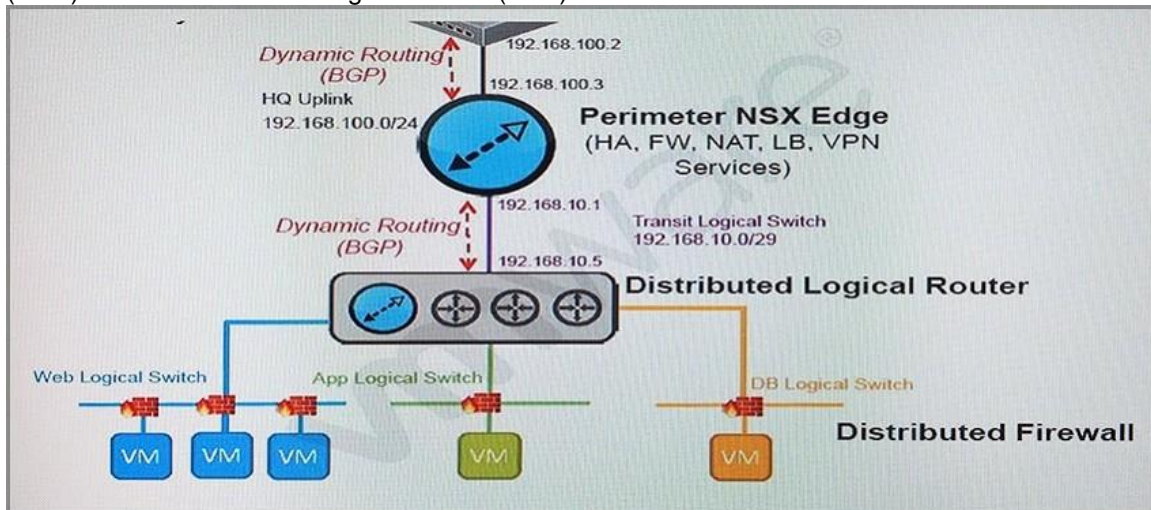
With which Application Profile types would the Insert X-Forwarded-for HTTP header option be used?

- A. TCP, UDP
- B. HTTP, UDP
- C. HTTP, HTTPS
- D. HTTP, TCP

**Answer: C**

**QUESTION 236**

An administrator is attempting to troubleshoot a routing issue between the Edge Services Gateway (ESG) and the Distributed Logical Router (DLR).



Based on the exhibit, which method CANNOT be used to troubleshoot the issue?

- A. SSH session into 192.168.100.3 on the ESG.
- B. Console session into the ESG.
- C. Console session into the DLR.
- D. SSH session into 192.168.10.5 on the DLR.

**Answer: A**

**QUESTION 237**

When designing a multi-site NSX deployment, which capability requires Enhanced Linked Mode to function?

- A. Creating Universal Transport Zones
- B. Creating Universal Logical Switches
- C. Cross-vCenter vMotion
- D. Registering a Secondary NSX Manager

**Answer: A**

**Explanation:**

[https://pubs.vmware.com/NSX-62/topic/com.vmware.ICbase/PDF/nsx\\_62\\_cross\\_vc\\_install.pdf](https://pubs.vmware.com/NSX-62/topic/com.vmware.ICbase/PDF/nsx_62_cross_vc_install.pdf)

**QUESTION 238**

What is the most restrictive NSX role that can be used to create and publish security policies and install virtual appliances?

- A. Security Administrator
- B. NSX Administrator
- C. Auditor
- D. Enterprise Administrator

**Answer: D**

**QUESTION 239**

Which two NSX roles could be used to create security policies? (Choose two.)

- A. Enterprise Administrator
- B. Security Administrator
- C. NSX Administrator
- D. Auditor

**Answer: AB**

**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-79F9067D-2F29-45DA-85C7-09EFC31549EA.html>

**QUESTION 240**

Which two functions are provided by VMkernel ports? (Choose two)

- A. VXLAN Port Configuration
- B. vSphere vMotion
- C. ESXi Host Management
- D. 802.1Q VLAN tagging

**Answer: BC**

**Explanation:**

<http://www.pearsonitcertification.com/articles/article.aspx?p=2190191&seqNum=>

**QUESTION 241**

Which is a best practice to secure system traffic, ensure optimal performance and satisfy prerequisites for NSX?

- A. Configure a single VMkernel and a single distributed port group for all the system traffic.
- B. Configure a single distributed port group with a single VMkernel for Management and iSCSI

traffic, a separate VMkernel for vMotion and VSAN traffic.

- C. Dedicate separate VMkernel adapters for each type of system traffic. Dedicate separate distributed port groups for each VMkernel adapter and isolate the VLANs for each type of system traffic.
- D. Dedicate separate VMkernel adapters for each type of system traffic and dedicate separate standard switches for each type of system traffic connected to a single physical network.

**Answer: B**

**QUESTION 242**

What resource must a partner security service be registered with before the service is available to a policy?

- A. NSX Manager
- B. ESXi host
- C. Service Composer
- D. vCenter Server

**Answer: A**

**Explanation:**

<https://blogs.vmware.com/consulting/2015/01/automating-security-policy-enforcement-nsx-service-composer.html>

**QUESTION 243**

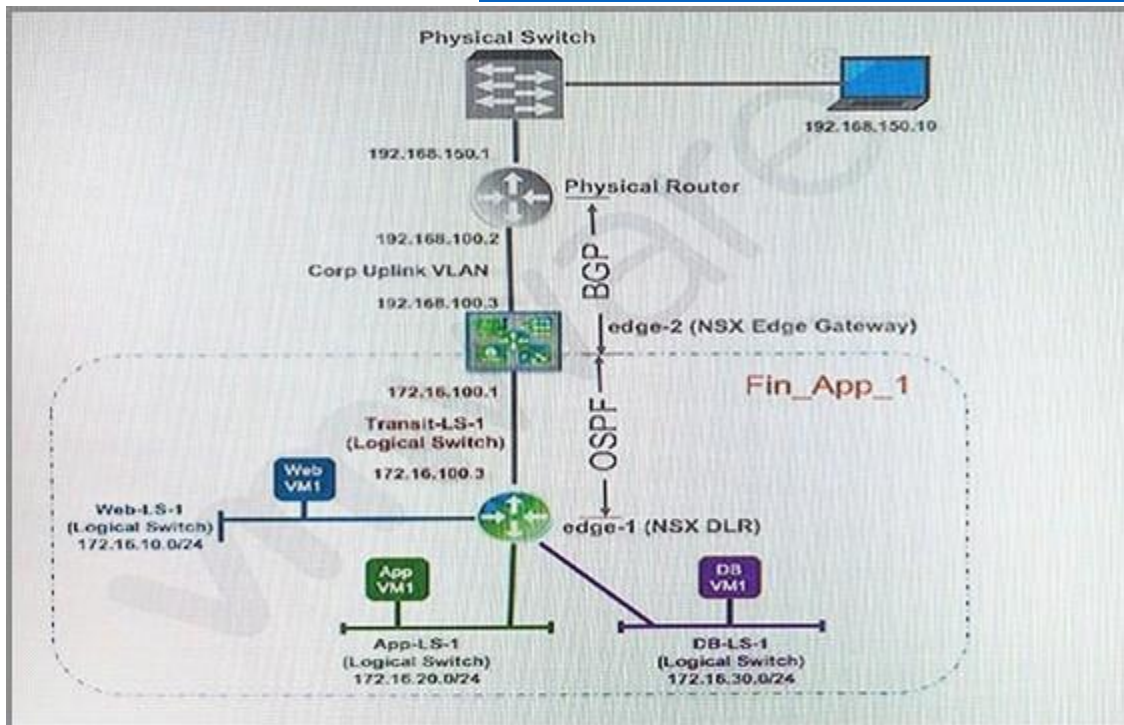
A group of users' needs secured access to a set of web-based applications in a SDDC. Which VPN option is best suited for this?

- A. SSL VPN-Plus
- B. L2VPN
- C. IPSec VPN
- D. Application VPN

**Answer: A**

**QUESTION 244**

The user at 192.168.150.10 can reach the physical router but CANNOT reach edge-2 or any virtual machines.



What routing change would resolve the issue?

- A. EnableDefault Originateon edge-2 for OSPF.
- B. Configure static routes on the physical router.
- C. Enable route redistribution on edge-2 between both routing protocols.
- D. EnableDefault Originateon edge-2 for BGP

**Answer: D**

#### QUESTION 245

When creating a new security policy how is the default weight determined?

- A. The default weight is equal to the highest defined weight plus 1000.
- B. The default weight is incremented by 100, starting at 0.
- C. The default weight is equal to the highest defined weight minus 1000
- D. The default weight is equal to the highest defined weight

**Answer: A**

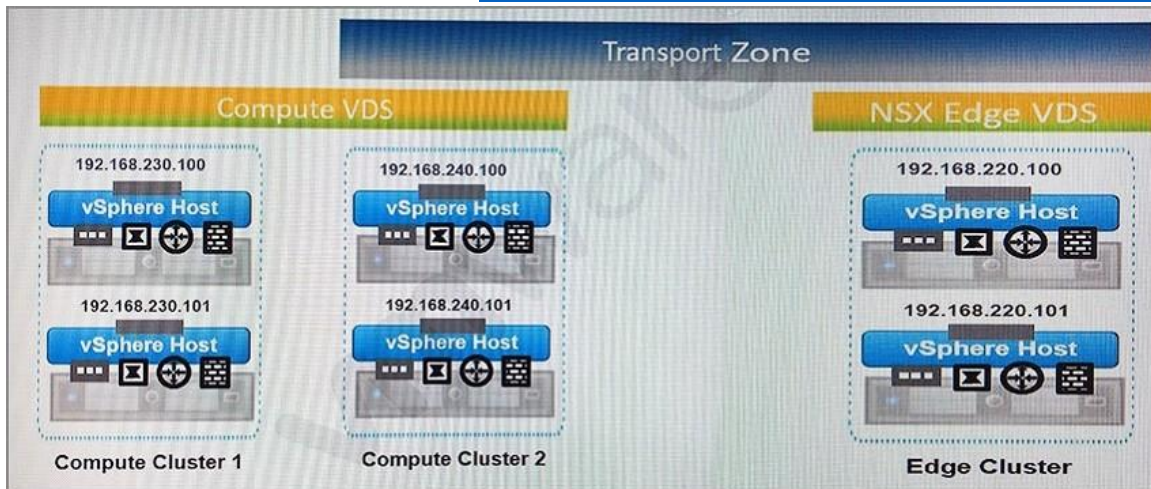
**Explanation:**

<https://pubs.vmware.com/NSX-6/index.jsp?topic=%2Fcom.vmware.nsx.admin.doc%2FGUID-607C399F-0D11-4B95-90DA-A6E17E8C906E.html>

#### QUESTION 246

Which would best describe a workload in Compute Cluster 1 attached to a logical switch port group?





- A. Within Compute Cluster 1, Layer 2 would function, but Layer 3 would fail.
- B. Within Compute Cluster 1, Layer 2 would fail, and Layer 3 would fail.
- C. Within ComputeCluster 1, Layer 2 would fail, but Layer 3 would function.
- D. Within Compute Cluster 1, Layer 2 would function, and Layer 3 would function.

**Answer: C**

#### QUESTION 247

An administrator has been asked to provide single failure redundancy. What is the minimum supported number of NSX Controllers needed to meet this requirement?

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

**Answer: B**

**Explanation:**

<http://www.vmwarearena.com/vmware-nsx-installation-part-4-deploying-nsx-controller/>

#### QUESTION 248

Which term describes a situation where a bottleneck is created when traffic is sent to a single device for security enforcement?

- A. security event queueing
- B. hairpinning
- C. security looping
- D. enforcement degradation

**Answer: A**

#### QUESTION 249

A network administrator has been tasked with deploying a 3-tier application across two data centers. Tier-1 and tier-2 will be located in Datacenter-A and tier-3 will be located in Datacenter-B. Which NSX components are needed to make this deployment functional?

- A. A universal transport zone deployed with a universal distributed logical router (UDLR), a universal logical switch and two local logical switches connected to the UDLR.
- B. A universal transport zone deployed with a universal distributed logical router (UDLR), two universal logical switches and a single logical switch connected to the UDLR.
- C. A universal transport zone deployed with a universal distributed logical router (UDLR) and three universal logical switches connected to the UDLR.
- D. A universal transport zone, a universal distributed logical router (UDLR) and three local switches in each data center connected to the UDLR

**Answer: A**

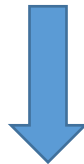
**QUESTION 250**

Which three statements are valid methods of Link Aggregation Control Protocol negotiation? (Choose three.)

- A. Switches activate one of the blocked paths and negotiate the forwarding path upon failure.
- B. Every other switch on the LAN negotiates only one data path back to the root bridge.
- C. Switches wait until they receive an aggregation request, negotiate the status of the links, and proceed.
- D. One switch sends repeated requests to the other switch that is requesting the port aggregation status. The two switches negotiate the status of the links and proceed.
- E. Switches with links enabled for port aggregation do the port aggregation themselves and must be manually configured to be compatible at each end of that link

**Answer: .....**

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