VCAN610 42 Questions VMware Network Virtualization

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Question 1
What are the three functional planes implemented in the NSX architecture?
What are the three functional planes implemented in the NSX architecture? (Choose three.)
A. IO Plane
B. Control Plane
C. Management Plane
D. Data Plane
E. Physical Plane

Correct Answer: AD
Explanation/Reference:

Question 2
Which two steps can be faster when deploying n virtual network?
Your company director is researching network virtualization and wants to know about some of the things you can do faster when deploying a virtual network versus a physical network.
Which two steps can be faster when deploying n virtual network? (Choose two)
A. Provisioning
B. Cabling
C. Designing
D. Racking

Correct Answer: BC
Explanation/Reference:

Question 3
What component links a physical networking and an NSX virtual network on layer 2?
Virtual machines on an NSX virtual network may need to communicate with physical servers on the same L2 segment. What component links a physical networking and an NSX virtual network on layer 2?
A. VXLAN to VXLAN bridge
B. VXLAN to VLAN bridge
C. VLAN to VLAN Bridge
D. VXLAN to LAN Bridge

Correct Answer: B
Question 4
Which construct or resource is abstracted by the NSX virtualization layer?
A. Cloud resources
B. Data center resources
C. Logical Network Constructs
D. Physical network constructs

Correct Answer: D

Question 5
Which VMware product provides a library of logical network elements such as switches, routers, firewalls, load balancers, VPN and network security services?
A. VMware vCloud Automation Center
B. vCloud Networking and Security
C. vSphere Distributed Switches
D. VMware NSX

Correct Answer: A

Question 6
Which two NSX technologies can be used to integrate physical workloads into a software overlay?
A. Service Composer
B. Edge Services Gateway
C. Distributed Logical Rom
D. VXLAN Tunnel Endpoint

Correct Answer: BC

Question 7
How are virtual machines connected to the network?
A. Virtual machines are configured with dedicated physical NICs that provide external network connectivity.
B. Virtual machines have virtual NICs that are connected to virtual switches in order to connect to either virtual or physical networks.
C. Virtual machines are configured with virtual NICs to connect to other virtual machines and physical NICs to connect to physical machines.
D. Virtual networking automatically configures the networks required by a virtual machine.

Correct Answer: B
Explanation/Reference:

**Question 8**
How is the NSX distributed firewall deployed?
Within the NSX architecture, how is the NSX distributed firewall deployed?
A. It is installed onto the vCenter Server
B. As a virtual appliance on every ESXi host
C. It is embedded in the VMkernel
D. As a single separate virtual appliance

Correct Answer: C
Explanation/Reference:

**Question 9**
What feature of vSphere Distributed Switches significantly reduces the amount of work needed to make configuration changes in a multi-host vSphere deployment?
What feature of vSphere Distributed Switches significantly reduces the amount of work needed to make configuration changes in a multi-host vSphere deployment?
A. Dynamic Scalability
B. NetFlow
C. Network vMotion
D. Centralized Management

Correct Answer: D
Explanation/Reference:

**Question 10**
What happens to the NSX firewall rules for a virtual machine when it is removed?
What happens to the NSX firewall rules for a virtual machine when it is removed?
A. NSX firewall rules are not configured at the VM level.
B. They are retained for audit purposes.
C. A prompt is provided to delete or retain.
D. They are deleted automatically.

Correct Answer: A
Explanation/Reference:

**Question 11**
Which statement best compares the time required to make changes in physical and virtual network deployments?
An analysis of an existing network environment has determined that the time it takes to configure physical network hardware is impacting the ability to quickly make changes to the environment.
Which statement best compares the time required to make changes in physical and virtual network deployments?
A. Virtual infrastructure changes take less time.
B. Physical network changes take less time.
C. Both types of changes take roughly the same length of time.
D. Physical network changes are eliminated in a virtual infrastructure.
Correct Answer: A
Explanation/Reference:

**Question 12**
Which feature of NSX will provide the services for you to do this?
You need to connect your virtual network to non-virtualized hosts. Which feature of NSX will provide the services for you to do this?
A. NSX VXLAN
B. NSX Bridging
C. NSX Gateway
D. NSX Manager

Correct Answer: B
Explanation/Reference:

**Question 13**
Which method can be used by the NSX load Balancer to help optimize and distribute network traffic loads?
Which method can be used by the NSX load Balancer to help optimize and distribute network traffic loads?
A. Round Robin
B. Shortest Path
C. Port ID
D. Least Queue Depth

Correct Answer: C
Explanation/Reference:

**Question 14**
What is used to identify individual NSX Logical Switches?
A. An IP Hash
B. A VLAN ID
C. A VXLAN Network ID
D. A MAC Address

Correct Answer: C
Explanation/Reference:

**Question 15**
Which two key networking capabilities are provided by virtual standard switches?
A. They allow virtual machines on the same ESXi host to be configured to communicate with each other.
B. They allow virtual machines on an ESXi host to be configured to communicate with the outside world.
C. They allow virtual machines to communicate with the ESXi host console for ease of management.
D. They allow virtual machines in a vSphere cluster to communicate with each other
Correct Answer: AB
Explanation/Reference:

Question 16
Which two automation tools can be used for this purpose?
Your manager has asked you to identify tools that could be used to help automate Virtual Switch deployment in an existing vSphere installation.
Which two automation tools can be used for this purpose? (Choose two.)
A. vSphere PowerCLI
B. vCenter Orchestrator
C. vSphere Auto Deploy
D. VSA Automated Installer
Correct Answer: BC
Explanation/Reference:

Question 17
What is the recommended minimum number of NSX controller nodes that should be deployed in any NSX implementation?
What is the recommended minimum number of NSX controller nodes that should be deployed in any NSX implementation?
A. 5
B. 4
C. 2
D. 3
Correct Answer: D
Explanation/Reference:

Question 18
Which feature of vSphere Distributed Switches (VDS) helps lessen the possibility of downtime caused by configuration errors?
Which feature of vSphere Distributed Switches (VDS) helps lessen the possibility of downtime caused by configuration errors?
A. vSphere Switch Recovery Manager
B. Network Backup and Recovery
C. Automatic Configuration rollback
D. Rollback Automatic Error Detection
Correct Answer: C
Explanation/Reference:

Question 19
Which two statements accurately describe a virtual distributed switch?
Which two statements accurately describe a virtual distributed switch?
A. A virtual distributed switch manages virtual machine traffic, while a virtual standard switch is required for ESXi kernel traffic.
B. A virtual distributed switch can be configured with network configurations that span across all
member hosts.
C. A virtual distributed switch functions as a single network switch across all associated hosts.
D. A virtual distributed switch only forwards traffic between virtual machines and external networks.

Correct Answer: BC
Explanation/Reference:

Question 20
Which two features of VMware NSX can benefit a data center that is having difficulties with slow network provisioning?
Which two features of VMware NSX can benefit a data center that is having difficulties with slow network provisioning? (Choose two.)
A. Network provisioning is no longer required.
B. You can move virtual switches to physical servers.
C. Network provisioning is reduced from days to seconds.
D. You can place and move workloads independently of physical topology.

Correct Answer: CD
Explanation/Reference:

Question 21
What is a key reason to deploy NSX in the software defined data center?
A. NSX reduces the number of IT resources needed to deploy SANs
B. NSX reduces costs associated with internet bandwidth
C. NSX reduces physical network hardware dependencies
D. NSX automates deployment of physical network hardware

Correct Answer: C
Explanation/Reference:

Question 22
What key technology is used to decouple the physical network layer from the virtual infrastructure?
In the NSX architecture, what key technology is used to decouple the physical network layer from the virtual infrastructure?
A. VPNs and Edge Gateways
B. Overlays such as VXLANs
C. Virtual Switches
D. Network Hypervisors

Correct Answer: D
Explanation/Reference:

Question 23
When you are configuring multiple virtual machine networks on an ESXi host how can you arrange virtual machine port groups and virtual standard switch.
When you are configuring multiple virtual machine networks on an ESXi host how can you
arrange virtual machine port groups and virtual standard switch.
A. You can configure more than one network using multiple virtual machine port groups on one or more virtual standard switches.
B. You can only configure more than one network on an ESXi host by using multiple virtual standard switches.
C. You can only configure one virtual machine port group per virtual standard switch.
D. You can only configure multiple virtual standard switches if you have more than four physical NICs in each ESXi host.

Correct Answer: A
Explanation/Reference:

**Question 24**
What NSX component is responsible for facilitating communication between these VMs?
Two virtual machines are attempting to communicate. The VMs are on different NSX Logical Switches on separate physical hosts.
What NSX component is responsible for facilitating communication between these VMs?
A. The Edge Service Gateway
B. An NSX Controller
C. The Distributed Logical Router
D. The NSX Manager

Correct Answer: C
Explanation/Reference:

**Question 25**
Virtual standard switches provide virtual machines with connectivity to What term is used by VMware to describe these NICs?
Virtual standard switches provide virtual machines with connectivity to What term is used by VMware to describe these NICs?
A. Virtual Ports
B. vNICs
C. Uplink adapters
D. vPorts

Correct Answer: B
Explanation/Reference:

**Question 26**
After virtual switches have been configured and connected to the physical network?
After virtual switches have been configured and connected to the physical network? (Choose two)
A. Distributed Resource Scheduler (DRS)
B. NAT services
C. Firewall
D. vMotion

Correct Answer: BC
Explanation/Reference:
**Question 27**
What is this utility called?
NSX provides a diagnostic utility that can be used to test network transport health. What is this utility called?
A. NSX Controller CLI
B. Flow Monitoring
C. NSX Manager Connectivity Check
D. Port Mirroring

Correct Answer: C
Explanation/Reference:

**Question 28**
What is the NSX component that performs all encapsulation and de-encapsulation of network traffic?
What is the NSX component that performs all encapsulation and de-encapsulation of network traffic?
A. VTEP
B. OVF
C. REST API
D. DLR

Correct Answer: A
Explanation/Reference:

**Question 29**
Which statement represents a common use case for deploying NSX?
Which statement represents a common use case for deploying NSX?
A. NSX provides simplified management of physical network devices
B. NSX provides rapid deployment of core services such as firewall and load balancing
C. NSX provides easier virtual machine deployment than traditional vSphere enabled data centers
D. NSX allows organizations to remove all physical network devices

Correct Answer: B
Explanation/Reference:

**Question 30**
What is the name used to describe the architecture layer of a virtual switch that facilitates packet switching, filtering, tagging and so on?
What is the name used to describe the architecture layer of a virtual switch that facilitates packet switching, filtering, tagging and so on?
A. Data
B. Management
C. Logical
D. Control

Correct Answer: D
Explanation/Reference:
Question 31
Which statement describes what VLAN functionality does to a physical switch?
Your network requires that you separate traffic between various parts of your organization and your organization has decided to implement this functionality using VLANs. Which statement describes what VLAN functionality does to a physical switch?
A. Divides the switch into multiple logical routers
B. Divides the switch into multiple logical switches
C. Divides the switch into multiple security zones
D. Divides the switch into multiple virtual segments

Correct Answer: B
Explanation/Reference:

Question 32
Which statement explains why your colleague cannot locate the drivers?
A colleague has been trying to configure NIC teaming on an ESXi host and has asked for your assistance as he has been unable to locate the vSphere NIC teaming drivers from the NIC vendor. Which statement explains why your colleague cannot locate the drivers?
A. NIC teaming on virtual standard switches does not require any additional drivers.
B. The NIC teaming drivers for supported network adapters are available from the vSphere software download site.
C. NIC teaming does not require special drivers on the hosts but it does require the installation of a vCenter Server Plugin.
D. NIC teaming is an advanced feature that is only available on virtual distributed switches.

Correct Answer: A
Explanation/Reference:

Question 33
Which statement correctly explains how these services are delivered?
A colleague asks you to explain how NSX provides DHCP, NAT, VXLAN and VPN Services. Which statement correctly explains how these services are delivered?
A. NSX Manager is used to manage virtual appliances that deliver these services.
B. NSX installs a service driver in each ESXi host to provide these services.
C. NSX is installed as a vCenter Server plugin and vCenter Server then delivers these services.
D. NSX simply activates these features on virtual distributed switches.

Correct Answer: A
Explanation/Reference:

Question 34
What type of component?
The abstraction of network hardware resources is made possible by NSX because it acts as what type of component?
A. A network switch
B. A network gateway
C. A network hypervisor
D. A network router

Correct Answer: C

**Question 35**
Which are two advantages of deploying applications on a virtual network?
You organization still deploys and manages applications on a physical network and is considering moving to a virtualized network.
Which are two advantages of deploying applications on a virtual network? (Choose two)
A. Built-in cost control
B. Built-in scalability
C. Built-in flexibility
D. Built-in operability

Correct Answer: BC

**Explanation/Reference:**

**Question 36**
Which two components are valid responses?
You have been asked to identify what hardware can be reduced in a network design that uses VLANs compared to one that does not. Which two components are valid responses? (Choose two.)
A. Firewalls
B. Switches
C. Cables
D. Servers

Correct Answer: BC

**Explanation/Reference:**

**Question 37**
Which two network services may need to be configured for a new machine in the absence of full network virtualization?
Which two network services may need to be configured for a new machine in the absence of full network virtualization? (Choose two)
A. VPN Services
B. NAT Services
C. File Sharing Services
D. Remote Printing services

Correct Answer: AB

**Explanation/Reference:**

**Question 38**
Which two tasks must you complete?
You have been asked to change the vSphere networking security policy settings for a network that is used by all of the virtual machines in a vSphere cluster. In order to implement this change which two tasks must you complete? (Choose two)
A. Change the security policies for the affected port groups on each vSphere Standard Switch used by virtual machines on every CSXi host in the cluster.
B. Change the security policies for the affected distributed port groups on the vSphere Distributed...
Switches used by virtual machines using vCenter Server.
C. Change the security policies in the virtual NICs on each virtual machine in the cluster.
D. Change the security policies for the vSphere cluster using vCenter Server.

Correct Answer: AC
Explanation/Reference:

**Question 39**
What does the NSX Manager deploy to each ESXi host to connect the host to an NSX transport zone?

A. A VTEP
B. A VUN C
C. A VXLAN
D. A VNI

Correct Answer: A
Explanation/Reference:

**Question 40**
Which NSX enabled tool can consolidate, virtualize and correlate syslog data from multiple related components in the software defined data center?

A. System Manager
B. Syslog Manager
C. Log Insight
D. Service Composer

Correct Answer: C
Explanation/Reference:

**Question 41**
Which two components are required for a vendor application to integrate with NSX Service Composer?

A. NSX Manager credentials
B. NSX Manager IP address or FQDN
C. NSX Firewall IP address or FQDN
D. NSX Firewall credentials

Correct Answer: AB
Explanation/Reference:

**Question 42**
Which two NSX component are implemented within the hypervisor rather than by being deployed as virtual appliances?

Which two NSX component are implemented within the hypervisor rather than by being deployed as virtual appliances?
A. NSX Load Balancer
B. NSX Edge Gateway
C. NSX Firewall
D. NSX Controllers

Correct Answer: CD
Explanation/Reference: