



Vendor: VMware

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Exam Name: VMware NSX 4.X Professional V2

Version: DEMO

QUESTION 1

A company security policy requires all users to log into applications using a centralized authentication system.

Which two authentication, authorization, and accounting (AAA) systems are available when integrating NSX with VMware Identity Manager? (Choose two.)

- A. RSA SecureID
- B. SecureDAP
- C. RADIUS 2.0
- D. LDAP and OpenLDAP based on Active Directory (AD)
- E. Keygen Enterprise

Answer: AD

Explanation:

RSA SecureID: RSA SecureID is a commonly used two-factor authentication (2FA) system that can integrate with VMware Identity Manager for enhanced security during authentication, making it a suitable AAA system for user authentication.

LDAP and OpenLDAP based on Active Directory (AD): VMware Identity Manager can integrate with LDAP and OpenLDAP directories, including Active Directory (AD), for centralized user authentication. This allows users to authenticate against an organization's directory service.

QUESTION 2

An NSX administrator would like to export syslog events that capture messages related to NSX host preparation events.

Which message ID (msgid) should be used in the syslog export configuration command as a filter?

- A. FABRIC
- B. SYSTEM
- C. GROUPING
- D. MONITORING

Answer: A

Explanation:

In NSX, the FABRIC message ID is used to capture and export syslog events related to host preparation and other fabric-related activities. These events are important for tracking and troubleshooting the setup and configuration of NSX components across the fabric, including host preparation events.

QUESTION 3

An NSX administrator wants to create a Tier-0 Gateway to support equal cost multi-path (ECMP) routing.

Which failover detection protocol must be used to meet this requirement?

- A. Host Standby Router Protocol (HSRP)
- B. Beacon Probing (BP)
- C. Virtual Router Redundancy Protocol (VRRP)
- D. Bidirectional Forwarding Detection (BFD)

Answer: D

Explanation:

To support Equal-Cost Multi-Path (ECMP) routing in an NSX environment, Bidirectional Forwarding Detection (BFD) must be used for failover detection. BFD is a rapid failure detection protocol that works with ECMP to provide fast failure detection between routers. It helps in detecting link failures more quickly than traditional protocols, ensuring that traffic is routed through available paths as quickly as possible.

QUESTION 4

An administrator has connected two virtual machines on the same overlay segment. Ping between both virtual machines is successful.

What type of network boundary does this represent?

- A. Layer 2 bridge
- B. Layer 2 broadcast domain
- C. Layer 2 VPN
- D. Layer 3 route

Answer: B

Explanation:

When two virtual machines are connected on the same overlay segment, they are part of the same Layer 2 broadcast domain. In this case, the communication between the two VMs is happening within the same broadcast domain, which means that broadcast traffic can be sent to all devices on the segment. Since the ping is successful, the two VMs can communicate directly over Layer 2 without needing routing.

QUESTION 5

What are two supported host switch modes? (Choose two.)

- A. Overlay Datapath
- B. Secure Datapath
- C. Standard Datapath
- D. Enhanced Datapath
- E. DPDK Datapath

Answer: CD

Explanation:

Standard Datapath: This is the traditional mode used by the NSX host switch. It is typically used in environments where performance requirements are standard and no special acceleration techniques are needed.

Enhanced Datapath: This mode is designed to improve performance and provide better scalability, especially for environments with higher traffic loads or more demanding applications. It can provide better performance in certain scenarios by improving packet processing efficiency.

QUESTION 6

Which is an advantage of an L2 VPN in an NSX 4.x environment?

- A. Achieve better performance
- B. Use the same broadcast domain
- C. Enables Multi-Cloud solutions

D. Enables VM mobility with re-IP

Answer: B

Explanation:

An L2 VPN (Layer 2 VPN) in an NSX 4.x environment allows you to extend a Layer 2 network across different sites or data centers. This enables the connected environments to share the same broadcast domain, meaning that broadcast traffic can be transmitted between sites as if they were on the same local network. This is particularly useful for scenarios where you need to maintain Layer 2 connectivity across geographically dispersed locations.

QUESTION 7

Which two steps must an NSX administrator take to integrate VMware Identity Manager in NSX to support role-based access control? (Choose two.)

- A. Create a SAML authentication in VMware Identity Manager using the NSX Manager FQDN.
- B. Add NSX Manager as a Service Provider (SP) in VMware Identity Manager.
- C. Enter the Identity Provider (IdP) metadata URL in NSX Manager.
- D. Enter the service URL, Client Secret, and SSL thumbprint in NSX Manager.
- E. Create an OAuth 2.0 client in VMware Identity Manager.

Answer: BC

Explanation:

Adding NSX Manager as a Service Provider (SP) in VMware Identity Manager is necessary to enable SAML-based single sign-on (SSO), which allows VMware Identity Manager to manage and authenticate users accessing NSX.

Entering the Identity Provider (IdP) metadata URL in NSX Manager is required to establish a connection between NSX and VMware Identity Manager, enabling NSX to use VMware Identity Manager as the IdP for authentication.

QUESTION 8

Which of the two following characteristics about NAT64 are true? (Choose two.)

- A. NAT64 requires the Tier-1 gateway to be configured in active-active mode.
- B. NAT64 is stateless and requires gateways to be deployed in active-standby mode.
- C. NAT64 is supported on Tier-0 and Tier-1 gateways.
- D. NAT64 is supported on Tier-1 gateways only.
- E. NAT64 requires the Tier-1 gateway to be configured in active-standby mode.

Answer: CE

Explanation:

NAT64 is supported on both Tier-0 and Tier-1 gateways, allowing for IPv6-to-IPv4 address translation at different gateway levels within NSX.

NAT64 requires the Tier-1 gateway to be configured in active-standby mode, as this configuration ensures stateful translation and consistency for IPv6-to-IPv4 traffic handling.

QUESTION 9

Which VMware GUI tool is used to identify problems in a physical network?

- A. VMware Aria Operations Networks
- B. VMware Aria Automation
- C. VMware Site Recovery Manager

D. VMware Aria Orchestrator

Answer: A

Explanation:

VMware Aria Operations Networks (formerly known as vRealize Network Insight) is a tool specifically designed for network visibility and troubleshooting. It provides insights into both virtual and physical network infrastructures, making it ideal for identifying problems in a physical network.

QUESTION 10

Which three protocols could an NSX administrator use to transfer log messages to a remote log server? (Choose three.)

- A. HTTPS
- B. SSH
- C. TCP
- D. UDP
- E. SSL
- F. TLS

Answer: CDF

Explanation:

Both TCP and UDP are commonly used protocols for transferring log messages in syslog configurations. TCP is preferred when reliability is needed, while UDP is used for faster, connectionless transmission.

TLS can be used to secure the log messages being sent over TCP, ensuring encrypted transmission to the remote log server.

QUESTION 11

What can the administrator use to identify overlay segments in an NSX environment if troubleshooting is required?

- A. Geneve ID
- B. VMI ID
- C. Segment ID
- D. VLANID

Answer: B

Explanation:

In an NSX environment, each overlay segment is uniquely identified by a VNI ID (Virtual Network Identifier). The VNI is used to distinguish different overlay networks within the NSX environment and is essential for troubleshooting, as it helps administrators identify specific segments where traffic is encapsulated and isolated.

QUESTION 12

How does the Traceflow tool identify issues in a network?

- A. Compares intended network state in the control plane with Tunnel End Point (TEP) keepalives in the data plane.
- B. Compares the management plane configuration states containing control plane traffic and error reporting from transport node agents.

- C. Injects ICMP traffic into the data plane and observes the results in the control plane.
- D. Injects synthetic traffic into the data plane and observes the results in the control plane.

Answer: D

Explanation:

The Traceflow tool in NSX injects synthetic traffic into the data plane and monitors the traffic flow through the network, allowing administrators to observe how the traffic is handled at each hop. This approach helps identify issues such as dropped packets, routing errors, or misconfigurations by providing visibility into the path taken by the traffic and any potential disruptions.

QUESTION 13

Where is the insertion point for East-West network introspection?

- A. Tier-0 router
- B. Guest VM vNIC
- C. Partner SVM
- D. Host Physical NIC

Answer: B

Explanation:

The insertion point for East-West network introspection in NSX is at the Guest VM vNIC (virtual Network Interface Card). By inspecting traffic at the vNIC level, NSX can monitor and apply security policies to traffic between virtual machines (East-West traffic) within the same network segment or data center, providing detailed security controls for VM-to-VM communication.

QUESTION 14

Which is the only supported mode in NSX Global Manager when using Federation?

- A. Proxy
- B. Policy
- C. Controller
- D. Proton

Answer: B

Explanation:

When using NSX Federation, Policy mode is the only supported mode in NSX Global Manager. This mode allows centralized management and consistent policy enforcement across multiple NSX environments, providing a unified approach to managing network and security policies in federated deployments.

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