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AMAZON ANS-C01

AWS CERTIFIED ADVANCED NETWORKING - SPECIALTY

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QUESTION: 1

Which CLI command does an NSX administrator run on the NSX Manager to generate support bundle logs if the NSX UI is inaccessible?

- A. set support-bundle file vcpnv.tgz
- B. esxcli system syslog config logger set --id=nsxmanager
- C. vm-support
- D. get support-bundle file vcpnv.tgz

QUESTION: 2

When deploying an NSX Edge Transport Node, what two valid IP address assignment options should be specified for the TEP IP addresses? (Choose two.)

- A. Use BootP
- B. Use a Static IP List
- C. Use a DHCP Server
- D. Use RADIUS
- E. Use an IP Pool

QUESTION: 3

Which three of the following describe the Border Gateway Routing Protocol (BGP) configuration on a Tier-0 Gateway? (Choose three.)

- A. It supports a 4-byte autonomous system number.
- B. The network is divided into areas that are logical groups.
- C. BGP is enabled by default.
- D. EIGRP is disabled by default.
- E. Can be used as an Exterior Gateway Protocol.

QUESTION: 4

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

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

QUESTION: 5

Which table on an ESXi host is used to determine the location of a particular workload for a frame-forwarding decision?

- A. TEP Table
- B. ARP Table
- C. Routing Table
- D. MAC Table**

QUESTION: 6

Sort the rule processing steps of the Distributed Firewall. Order responses from left to right.

Packet arrives at dvfilter connection table, if matching entry in the table, process the packet.	If connection table has no match, compare the packet to the rule table.	If the packet matches source, destination, service, profile and applied to fields, apply the action defined.	If the rule table action is allow, create an entry in the connection table and forward the packet.	If the rule table action is reject or deny, take that action.
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QUESTION: 7

Where does an administrator configure the VLANs used in VRF Lite? (Choose two.)

- A. uplink interface of the default Tier-0 gateway
- B. uplink trunk segment**
- C. segment connected to the Tier-1 gateway
- D. downlink interface of the default Tier-0 gateway
- E. uplink interface of the VRF gateway**

QUESTION: 8

A security administrator needs to configure a firewall rule based on the domain name of a specific application.

Which field in a distributed firewall rule does the administrator configure?

- A. Source
- B. Service
- C. Policy
- D. Profile**

QUESTION: 9

What are two valid BGP Attributes that can be used to influence the route path traffic will take? (Choose two.)

- A. Cost
- B. MED**

C. AS-Path Prepend

D. BED

QUESTION: 10

Which VPN type must be configured before enabling a L2VPN?

A. Port-based IPsec VPN

B. Policy-based IPsec VPN

C. Route-based IPsec VPN

D. SSL-based IPsec VPN

QUESTION: 11

An NSX administrator is reviewing syslog and notices that Distributed Firewall Rules hit counts are not being logged.

What could cause this issue?

A. Zero Trust Security is not enabled.

B. Syslog is not configured on the NSX Manager.

C. Syslog is not configured on the ESXi transport node.

D. Distributed Firewall Rule logging is not enabled.

QUESTION: 12

Which CLI command is used for packet capture on the ESXi Node?

A. tcpdump

B. debug

C. pktcap-uw

D. set capture

QUESTION: 13

Which CLI command shows syslog on NSX Manager?

A. get log-file syslog

B. /var/log/syslog/syslog.log

C. show log manager follow

D. get log-file auth.log

QUESTION: 14

Which two statements are true about IDS Signatures? (Choose two.)

A. An IDS signature contains a set of instructions that determine which traffic is analyzed.

B. IDS signatures can be High Risk, Suspicious, Low Risk and Trustworthy.

C. Users can upload their own IDS signature definitions.

D. An IDS signature contains data used to identify known exploits and vulnerabilities.

E. An IDS signature contains data used to identify the creator of known exploits and vulnerabilities.

QUESTION: 15

What are two functions of the Service Engines in NSX Advanced Load Balancer?

(Choose two.)

A. It stores the configuration and policies related to load-balancing services.

B. It deploys web servers to perform load-balancing operations.

C. It collects real-time analytics from application traffic flows.

D. It performs application load-balancing operations.

E. It provides a user interface to perform configuration and management tasks.

QUESTION: 16

A customer is preparing to deploy a VMware Kubernetes solution in an NSX environment.

What is the minimum MTU size for the UPLINK profile?

A. 1500

B. 1700

C. 1650

D. 1550

QUESTION: 17

What are the four types of role-based access control (RBAC) permissions? (Choose four.)

A. Auditor

B. None

C. Read

D. Execute

E. Network Admin

F. Full access

G. Enterprise Admin

QUESTION: 18

Which three selections are capabilities of Network Topology? (Choose three.)

A. Display the uplinks configured on the Tier-1 Gateways.

B. Display how the Physical components are interconnected.

C. Display how the different NSX components are interconnected.

D. Display the uplinks configured on the Tier-0 Gateways.

E. Display the VMs connected to Segments.

QUESTION: 19

Which of the following settings must be configured in an NSX environment before enabling stateful active-active SNAT?

A. Tier-1 gateway in active-standby mode

B. An Interface Group for the NSX Edge uplinks

C. A Punting Traffic Group for the NSX Edge uplinks

D. Tier-1 gateway in distributed only mode

QUESTION: 20

An administrator has been tasked with implementing the SSL certificates for the NSX Manager Cluster VIP.

Which is the correct way to implement this change?

A. SSH as admin into the NSX manager with the cluster VIP IP and run `nsxcli cluster certificate vip install <certificate_id>`

B. Send an API call to `https://<nsx-mgr>/api/vl/cluster/api-certificate?action=set_cluster_certificate&certificate_id= <certificate id>`

C. Send an API call to `https://<nsx-mgr>/api/vl/node/services/http?action=apply_certificate&certificate_id=<certificate_id>`

D. SSH as admin into the NSX manager with the cluster VIP IP and run `nsxcli cluster certificate node install <certificate_id>`

QUESTION: 21

Refer to the exhibit.

An administrator configured NSX Advanced Load Balancer to load balance the production web server traffic, but the end users are unable to access the production website by using the VIP address.

Which of the following Tier-1 gateway route advertisement settings needs to be enabled to resolve the problem? Mark the correct answer by clicking on the image.

Tier-1 Gateways

ADD TIER-1 GATEWAY

Name	HA Mode	Linked Tier-0 Gateway
Prod-T1-GW-01	Distributed Only	Prod-T0-GW-01

Edges Pool Allocation Size: ROUTING

Description: Not Set

Route Advertisement

- All Static Routes: Disabled
- All DNS Forwarder Routes: Disabled
- All Connected Segments & Service Ports: Enabled
- All IPsec Local Endpoints: Disabled

DHCP Config: Not Set

Tags: 0

- All NAT IP's: Disabled
- All LB VIP Routes: Disabled
- All LB SNAT IP Routes: Disabled

Set Route Advertisement Rules: Not Set

QUESTION: 22

Which two BGP configuration parameters can be configured in the VRF Lite gateways? (Choose two.)

- A. Graceful Restart
- B. BGP Neighbors
- C. Route Distribution
- D. Route Aggregation
- E. Local AS

QUESTION: 23

What are three NSX Manager roles? (Choose three.)

- A. controller
- B. master
- C. policy
- D. cloud
- E. manager
- F. zookeeper

QUESTION: 24

How does the Traceflow tool identify issues in a network?

- A. Compares the management plane configuration states containing control plane traffic and error reporting from transport node agents.

- B. Injects ICMP traffic into the data plane and observes the results in the control plane.
- C. Compares intended network state in the control plane with Tunnel End Point (TEP) keepalives in the data plane.
- D. Injects synthetic traffic into the data plane and observes the results in the control plane.

QUESTION: 25

Which two statements are correct about East-West Malware Prevention? (Choose two.)

- A. An agent must be installed on every ESXi host.
- B. NSX Application Platform must have Internet access.
- C. An agent must be installed on every NSX Edge node.
- D. NSX Edge nodes must have Internet access.
- E. A SVM is deployed on every ESXi host.

QUESTION: 26

Which two choices are use cases for Distributed Intrusion Detection? (Choose two.)

- A. Identify security vulnerabilities in the workloads.
- B. Gain insight about micro-segmentation traffic flows.
- C. Quarantine workloads based on vulnerabilities.
- D. Identify risk and reputation of accessed websites.
- E. Use agentless antivirus with Guest Introspection.

QUESTION: 27

Which command is used to set the NSX Manager's logging-level to debug mode for troubleshooting?

- A. set service manager log-level debug
- B. set service nsx-manager log-level debug
- C. set service nsx-manager logging-level debug
- D. set service manager logging-level debug

QUESTION: 28

Which two CLI commands could be used to see if vmnic link status is down? (Choose two.)

- A. esxcli network nic list
- B. esxcfg-vmsvc/get.networks
- C. esxcli network vswitch civs vmware list
- D. esxcfg-vmknic -1
- E. esxcfg-nics -1

QUESTION: 29

Which CLI command would an administrator use to allow syslog on an ESXi transport node when using the esxcli utility?

- A. esxcli network firewall ruleset -e syslog
- B. esxcli network firewall ruleset set -a -e false
- C. esxcli network firewall ruleset set -r syslog -e true
- D. esxcli network firewall ruleset set -r syslog -e false

QUESTION: 30

Which of the following exist only on Tier-1 Gateway firewall configurations and not on Tier-0?

- A. Profiles
- B. Applied To
- C. Actions
- D. Sources

QUESTION: 31

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

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

QUESTION: 32

As part of an organization's IT security compliance requirement, NSX Manager must be configured for 2FA (two-factor authentication).

What should an NSX administrator have ready before the integration can be configured?

- A. VMware Identity Manager with NSX added as a Web Application
- B. Active Directory LDAP integration with ADFS
- C. VMware Identity Manager with an OAuth Client added
- D. Active Directory LDAP integration with OAuth Client added

QUESTION: 33

Which two are supported by L2 VPN clients? (Choose two.)

- A. NSX Autonomous Edge
- B. NSX Edge
- C. NSX for vSphere Edge
- D. 3rd party Hardware VPN Device

QUESTION: 34

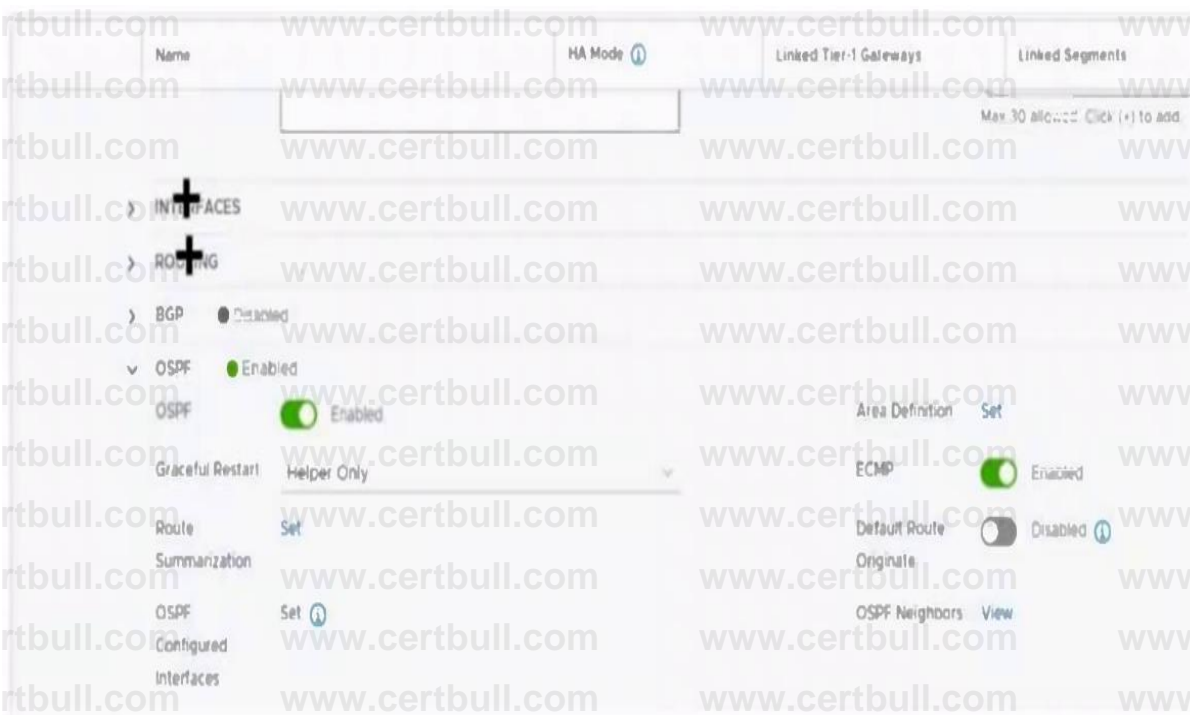
Which three data collection sources are used by NSX Network Detection and Response to create correlations/intrusion campaigns? (Choose three.)

- A. Suspicious Traffic Detection events from NSX Intelligence
- B. East-West anti-malware events from the ESXi hosts
- C. Distributed Firewall flow data from the ESXi hosts
- D. Files and anti-malware file events from the NSX Edge nodes and the Security Analyzer
- E. IDS/IPS events from the ESXi hosts and NSX Edge nodes

QUESTION: 35

Refer to the exhibit.

Which two items must be configured to enable OSPF for the Tier-0 Gateway in the image? Mark your answers by clicking twice on the image.



QUESTION: 36

Which two choices are solutions offered by the VMware NSX portfolio? (Choose two.)

- A. VMware Tanzu Kubernetes Grid
- B. VMware NSX Advanced Load Balancer
- C. VMware NSX Distributed IDS/IPS
- D. VMware Aria Automation
- E. VMware Tanzu Kubernetes Cluster

QUESTION: 37

When running nsxcli on an ESXi host, which command will show the Replication mode?

- A. get logical-switch <Local-Switch-UUID> status
- B. get logical-switch <Logical-Switch-UUID>
- C. get logical-switches
- D. get logical-switch status

QUESTION: 38

The security administrator turns on logging for a firewall rule.

Where is the log stored on an ESXi transport node?

- A. /var/log/messages.log
- B. /var/log/fw.log
- C. /var/log/dfwpktlogs.log
- D. /var/log/vmware/nsx/firewall.log

QUESTION: 39

An NSX administrator would like to create an L2 segment with the following requirements:

- L2 domain should not exist on the physical switches.
- East/West communication must be maximized as much as possible.

Which type of segment must the administrator choose?

- A. Hybrid
- B. VLAN
- C. Bridge
- D. Overlay

QUESTION: 40

In which VPN type are the Virtual Tunnel interfaces (VTI) used?

- A. Route & SSL based VPNs
- B. SSL-based VPN
- C. Policy & Route based VPNs
- D. Route-based VPN

QUESTION: 41

An administrator is configuring service insertion for Network Introspection.

Which two places can the Network Introspection be configured? (Choose two.)

- A. Tier-1 gateway
- B. Edge Node
- C. Partner SVM
- D. Host pNIC
- E. Tier-0 gateway

QUESTION: 42

Which three DHCP Services are supported by NSX? (Choose three.)

- A. DHCP Relay
- B. Port DHCP per VNF
- C. Gateway DHCP
- D. Segment DHCP
- E. VRF DHCP Server

QUESTION: 43

In an NSX environment, an administrator is observing low throughput and congestion between the Tier-0 Gateway and the upstream physical routers.

Which two actions could address low throughput and congestion? (Choose two.)

- A. Add an additional vNIC to the NSX Edge node.
- B. Deploy Large size Edge node/s.
- C. Configure a Tier-1 gateway and connect it directly to the physical routers.
- D. Configure NAT on the Tier-0 gateway.
- E. Configure ECMP on the Tier-0 gateway.

QUESTION: 44

Which two are requirements for FQDN Analysis? (Choose two.)

- A. The NSX Edge nodes require access to the Internet to download category and reputation definitions.
- B. The NSX Manager requires access to the Internet to download category and reputation definitions.
- C. A layer 7 gateway firewall rule must be configured on the Tier-1 gateway uplink.
- D. ESXi control panel requires access to the Internet to download category and reputation definitions.
- E. A layer 7 gateway firewall rule must be configured on the Tier-0 gateway uplink.

QUESTION: 45

An NSX administrator is creating a NAT rule on a Tier-0 Gateway configured in active-standby high availability mode.

Which two NAT rule types are supported for this configuration? (Choose two.)

- A. 1:1 NAT
- B. Source NAT
- C. Reflexive NAT
- D. Destination NAT
- E. Port NAT

QUESTION: 46

Which two statements describe the characteristics of an Edge Cluster in NSX?
(Choose two.)

- A. Can have a maximum of 8 edge nodes
- B. Can have a maximum of 10 edge nodes
- C. Can contain multiple types of edge nodes (VM or bare metal)
- D. Must have only active-active edge nodes
- E. Must contain only one type of edge nodes (VM or bare metal)

QUESTION: 47

An architect receives a request to apply distributed firewall in a customer environment without making changes to the network and vSphere environment. The architect decides to use Distributed Firewall on VDS.

Which two of the following requirements must be met in the environment? (Choose two.)

- A. vCenter 8.0 and later
- B. NSX version must be 3.2 and later
- C. VDS version 6.6.0 and later
- D. NSX version must be 3.0 and later

QUESTION: 48

Which CLI command on NSX Manager and NSX Edge is used to change NTP settings?

- A. get timezone
- B. set ntp-server
- C. set timezone
- D. get time-server

QUESTION: 49

How is the Router Link port created between a Tier-1 Gateway and Tier-0 Gateway?

- A. Manually create a Logical Switch and connect to both Tier-1 and Tier-0 Gateways.

- B. Automatically created when Tier-1 is connected with Tier-0 from NSX UI.
- C. Manually create a Segment and connect to both Tier-1 and Tier-0 Gateways.
- D. Automatically created when Tier-1 is created.

QUESTION: 50

Match the NSX Intelligence recommendations with their correct purpose.

Recommendations:

service recommendations

security group recommendations

security policy recommendations

Purposes:

Are service objects that were used by applications in the VMs or physical servers that an administrator had specified, but the services are not yet defined in the NSX inventory.

Are VMs or physical servers whose traffic flows were analyzed for the time period and the boundary an administrator had specified.

Are East-West distributed firewall (DFW) security policies in the application category.

QUESTION: 51

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

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

QUESTION: 52

Which two commands does an NSX administrator use to check the IP address of the VMkernel port for the Geneve protocol on the ESXi transport node? (Choose two.)

- A. net-dvs
- B. esxcfg-nics -1
- C. esxcfg-vmknics -1
- D. esxcli network ip interface ipv4 get
- E. esxcli network nic list

QUESTION: 53

Which two tools are used for centralized logging in VMware NSX? (Choose two.)

- A. VMware Aria Operations
- B. VMware Aria Automation
- C. VMware Aria Operations for Networks
- D. VMware Aria Operations for Logs**
- E. Syslog Server**

QUESTION: 54

Which command is used to display the network configuration of the Tunnel Endpoint (TEP) IP on a bare metal transport node?

- A. tcpdump
- B. debug
- C. ifconfig**
- D. tcpconfig

QUESTION: 55

An administrator has a requirement to have consistent policy configuration and enforcement across NSX instances.

What feature of NSX fulfills this requirement?

- A. Federation**
- B. Multi-hypervisor support
- C. Load balancer
- D. Policy-driven configuration

QUESTION: 56

An administrator wants to validate the BGP connection status between the Tier-0 Gateway and the upstream physical router.

What sequence of commands could be used to check this status on NSX Edge node?

- A. -enable <LR-D>
- get vrf <ID>
- show bgp neighbor
- B. - show logical-routers**
- get vrf
- show ip route bgp
- C. - get gateways
- vrf <number>
- get bgp neighbor
- D. - set vrf <ID>
- show logical-routers
- show <LR-D> bgp

QUESTION: 57

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 3 route
- D. Layer 2 VPN

QUESTION: 58

What are two valid options when configuring the scope of a distributed firewall rule? (Choose two.)

- A. Segment
- B. Tier-1 Gateway
- C. Group
- D. Segment Port
- E. DFW

QUESTION: 59

An NSX administrator is using ping to check connectivity between VM1 running on ESXi1 to VM2 running on ESXi2. The ping tests fails. The administrator knows the maximum transmission unit size on the physical switch is 1600.

Which command does the administrator use to check the VMware kernel ports for tunnel end point communication?

- A. `esxcli network diag ping -l vmk0 -H destination IP address>`
- B. `vmkping ++netstack=geneve -d -s 1572 destination IP address>`
- C. `esxcli network diag ping -H destination IP address>`
- D. `vmkping ++netstack=vxlan -d -s 1572 destination IP address>`

QUESTION: 60

Which three security features are dependent on the NSX Application Platform? (Choose three.)

- A. NSX TLS Inspection
- B. NSX Network Detection and Response
- C. NSX Distributed IDS/IPS
- D. NSX Firewall
- E. NSX Intelligence
- F. NSX Malware Prevention

QUESTION: 61

Which steps are required to activate Malware Prevention on the NSX Application Platform?

- A. Select Cloud Region and run Pre-checks.
- B. Select Cloud Region and Deploy Network Detection and Response.
- C. Activate NSX Network Detection and Response and run Pre-checks.
- D. Activate NSX Network Detection and Response and Deploy Malware Prevention

QUESTION: 62

Which two built-in VMware tools will help identify the cause of packet loss on VLAN Segments? (Choose two.)

- A. Packet Capture
- B. Flow Monitoring
- C. Live Flow
- D. Activity Monitoring
- E. Traceflow

QUESTION: 63

Which field in a Tier-1 Gateway Firewall would be used to allow access for a collection of trustworthy web sites?

- A. Destination
- B. Source
- C. Profiles -> Context Profiles
- D. Profiles -> L7 Access Profile

QUESTION: 64

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

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

QUESTION: 65

When configuring OSPF on a Tier-0 Gateway, which three of the following must match in order to establish a neighbor relationship with an upstream router? (Choose three.)

- A. Subnet mask
- B. Protocol and Port

- C. Naming convention
- D. Address of the neighbor
- E. MTU of the Uplink
- F. Area ID

QUESTION: 66

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

QUESTION: 67

An NSX administrator has deployed a single NSX Manager node and will be adding two additional nodes to form a 3-node NSX Management Cluster for a production environment. The administrator will deploy these two additional nodes and Cluster VIP using the NSX UI.

What two are the prerequisites for this configuration? (Choose two.)

- A. NSX Manager must reside on a Windows Server.
- B. The cluster configuration must be completed using API.
- C. All nodes must be in the same subnet.
- D. A compute manager must be configured.
- E. All nodes must be in separate subnets.

QUESTION: 68

An NSX administrator is troubleshooting a connectivity issue with virtual machines running on an ESXi transport node.

Which feature in the NSX UI shows the mapping between the virtual NIC and the host's physical adapter?

- A. Switch Visualization
- B. Activity Monitoring
- C. IPFIX
- D. Port Mirroring

QUESTION: 69

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

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

QUESTION: 70

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