



**VMware**

**Exam Questions 2V0-41.20**

Professional VMware NSX-T Data Center

#### NEW QUESTION 1

An NSX administrator has deployed an NSX Edge on a bare-metal server. Which command registers the NSX Edge with the NSX Manager?

- A. join management-cluster <nsx-cluster-IP> username admin password <admin- password> thumbprint <nsx-manager-thumbprint>
- B. join cluster <nsx-cluster-IP> username root password <root-password> thumbprint<nsx-manager—thumbprint>
- C. join policy-manager <nsx-manager-ip> username root password <root-password> thumbprint<nsx-manager-thumbprint>
- D. join management-plane <nsx-nanager-ip> username admin password <admin-password> thumbprint<nsx-manager-thumbprint>

**Answer:** D

#### NEW QUESTION 2

An NSX administrator has configured a load balancer virtual server on a Tier-1 Gateway.

In order to advertise the load balancer virtual IP to the Tier-0 Gateway, which route advertisement configuration has to be done on the Tier-1 Gateway? (Choose two.)

- A. Advertise All LB SNAT IP Routes
- B. All Static Routes
- C. Information
- D. Advertise All LB VIP Routes
- E. Advertise All NAT Routes

**Answer:** AD

#### Explanation:

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-EEBA627A-0860-477A-9>

#### NEW QUESTION 3

An NSX Administrator has created a segment named WEB-LS from the NSX UI and noticed the segment is not realized on the KVM Transport node. What are two possible causes for this issue? (Choose two.)

- A. The KVM Transport node has hardware issues and will not realize the WEB-LS Segment.
- B. Since the Compute Manager is disconnected in NSX UI, the WEB-LS segment will not be realized on the KVM Transport Node.
- C. The virtual machines running on the KVM Transport Node are connected to the WEB-LS segment, but are in Powered Off state.
- D. The virtual machines running on the KVM Transport Node are not connected to the VDS.
- E. The virtual machines running on the KVM Transport Node are not connected to the WEB-LS Segment.

**Answer:** BE

#### NEW QUESTION 4

Which two ports are used by a transport node to communicate with the management and control planes in NSX-T Data Center 3.0? (Choose two.)

- A. 5685
- B. 1235
- C. 5671
- D. 5678
- E. 1234

**Answer:** BE

#### Explanation:

The NSX Manager management plane communicates with the transport nodes by using APH Server over NSX-RPC/TCP through port 1234. CCP communicates with the transport nodes by using APH Server over NSX-RPC/TCP through port 1235. Taken from NSX-T ICM 3.0 Lecture manual

#### NEW QUESTION 5

A user is assigned these two roles in NSX Manager:

- LB Admin
- Network Engineer

What privileges does this user have in the system?

- A. read permissions on all networking services and full access permissions on load balancing features
- B. full access permissions on all networking services and full access permissions on load balancing features
- C. full access permissions on all networking services and read permissions on load balancing features
- D. read permissions on all networking services and read permissions on load balancing features

**Answer:** B

#### NEW QUESTION 6

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

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

**Answer:** D

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-3F163DEE-1EE6-4D80-B>

**NEW QUESTION 7**

Which command is used to change the NSX CU administrator password?

- A. set user admin password <password> old-password <old-password>
- B. set user admin password <old-password> <new-password>
- C. set user administrator password <old-password> <new-password>
- D. set user administrator password <password> old-password <old-password>

**Answer:** A

**Explanation:**

To change the password of an account run: set user admin password my-new-pwd old-password my-old-pwd

**NEW QUESTION 8**

An NSX administrator has been tasked with deploying a NSX Edge Virtual machine through an ISO image. Which virtual network interface card (vNIC) type must be selected while creating the NSX Edge VM allow participation in overlay and VLAN transport zones?

- A. e1000
- B. VMXNET2
- C. VMXNET3
- D. Flexible

**Answer:** C

**NEW QUESTION 9**

Which CLI command shows syslog on NSX Manager?

- A. show log manager follow
- B. get log-file auth.log
- C. get log-file syslog
- D. /var/log/syslog/syslog.log

**Answer:** C

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-406AF9C3-E8F7-447A-8E>

**NEW QUESTION 10**

Which two statements are true about the implementation of multicast in NSX-T Data Center? (Choose two.)

- A. Multicast routing is implemented with PIM Sparse-Mode.
- B. IGMP Snooping is used to populate multicast forwarding tables.
- C. Tier-0 gateways can be the Rendezvous Point.
- D. Multicast is supported in ESXi and KVM transport nodes.
- E. An Edge can be the Rendezvous Point.

**Answer:** AB

**Explanation:**

[https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt\\_30\\_admin.pdf](https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_admin.pdf)

**NEW QUESTION 10**

Which tool could be used to configure BGP on a Tier-0 Gateway?

- A. PowerShell
- B. API
- C. ESX CLI
- D. NSX CLI

**Answer:** D

**NEW QUESTION 13**

What needs to be configured on a Tier-0 Gateway to make NSX Edge Services available to a VM on a VLAN- backed logical switch?

- A. Service interface
- B. Loopback Router Port
- C. Downlink interface
- D. VLAN Uplink

**Answer:** A

**Explanation:**

"The service interface is a special-purpose port to enable services for mainly VLAN-based networks.

North-south service insertion is another use case that requires a service interface to connect a partner appliance and redirect north-south traffic for partner services. Service interfaces are supported on both active-standby Tier-0 logical routers and Tier-1 routers. Firewall, NAT, and VPNs are supported on this interface. The service interface is also a downlink"

#### NEW QUESTION 14

Which statement describes the VMware Virtual Cloud Network Vision?

- A. Virtual Cloud Network connects and protects virtual machines running in KVM environments.
- B. Virtual Cloud Network connects and protects virtual machines running in vSphere environments.
- C. Virtual Cloud Network connects and protects applications, regardless of their physical locations.
- D. Virtual Cloud Network connects and protects applications and data, regardless of their physical locations.

**Answer:** D

#### NEW QUESTION 17

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

- A. ifconfig
- B. tcpdump
- C. debug
- D. ipconfig

**Answer:** A

#### Explanation:

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-B7E7371E-A9F6-4880-B184>

#### NEW QUESTION 18

An NSX administrator is reviewing syslog and notices that Distributed Firewall Rules hit counts are not being logged. What could cause this issue?

- A. Syslog is not configured on the NSX Manager
- B. Distributed Firewall Rule logging is not enabled
- C. Zero Trust Security is not enabled
- D. Syslog is not configured on the ESXi transport node

**Answer:** B

#### NEW QUESTION 19

Which log is used to see a failed NSX-T installation of a VIB package on ESXi transport nodes?

- A. /var/log/host
- B. log
- C. /var/log/vmware/eam/eam.log
- D. /var/log/esxupdate.log
- E. /var/log/syslog.log

**Answer:** D

#### NEW QUESTION 21

Which tool could be used to inspect the path of a packet in the data plane?

- A. Port Connection
- B. Port Mirroring Session
- C. Netflow
- D. Traceflow

**Answer:** D

#### NEW QUESTION 24

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

**Answer:** BC

#### NEW QUESTION 26

What are the advantages of using a Tier-0 Gateway in ECMP mode? (Choose two.)

- A. stateful services leveraged
- B. Failover of services

- C. traffic predictability
- D. traffic load balancing
- E. increased north/south bandwidth

**Answer:** DE

**Explanation:**

From ICM manual:

Equal-cost multipath (ECMP) routing has several features and functions:

- ECMP routing increases the north-south communication bandwidth by combining multiple uplinks.
- ECMP routing performs traffic load balancing.
- ECMP routing provides fault tolerance for failed paths.
- A maximum of eight ECMP paths are supported.
- Hashing is based on 2-tuple IP source and destination addresses.
- ECMP routing is only available on Tier-0 gateways.

**NEW QUESTION 29**

An NSX administrator is planning to deploy a multi-tier routing topology in their NSX-T Data Center environment to provide north-south connectivity for the VMs. Which routing component must be deployed?

- A. Tier-1 Gateway
- B. Edge Services Gateway
- C. Tier-0 Gateway
- D. Layer 2 Gateway

**Answer:** C

**NEW QUESTION 32**

When deploying east-west network introspection, which Service Virtual Machine (SVM) deployment method achieves the least amount of traffic hair pinning?

- A. Create a secondary vNIC on each guest VM for SVM communication.
- B. Place a partner SVM on each compute cluster node.
- C. Centralize partner SVMs in a service cluster.
- D. Add partner SVMs to an edge cluster.

**Answer:** B

**Explanation:**

"For SVMs deployed on compute hosts, an SVM does not need to be installed on every host. Some customers prefer to deploy the partner SVM on each host to achieve the least amount of traffic hairpinning. When the partner SVM is deployed in a service cluster, traffic is sent from the compute hosts across the overlay to the hosts in the service cluster."

**NEW QUESTION 33**

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

**Answer:** C

**Explanation:**

<https://kb.vmware.com/s/article/1003728>

**NEW QUESTION 36**

A DevOps user has deployed a Kubernetes Pod in vSphere. What does the term ClusterIP represent within NSX-T?

- A. Deployment of T1 with NLB service.
- B. Deployment of Distributed Router.
- C. Deployment of Distributed Load Balancing service.
- D. Deployment of T0 and T1

**Answer:** C

**NEW QUESTION 41**

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

**Answer:** B

**Explanation:**

[https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt\\_30\\_admin.pdf](https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/nsxt_30_admin.pdf)

**NEW QUESTION 43**

How is the intra-tier transit link connection created between SR and DR for a Tier-0 Gateway?

- A. Manually create a gateway interface and mark it as transit.
- B. Automatically created when DR is created.
- C. Automatically created when SR is initialized.
- D. Manually create external uplink interface and mark it as transit.

**Answer:** C

**NEW QUESTION 45**

An NSX administrator would like to configure syslog for a KVM transport node. Which host log files could be exported to a remote syslog server?

- A. /var/log/vmware/nsx-syslog
- B. /var/log/cfgAgent.log
- C. /var/log/nsx-audit.log
- D. /var/log/cloudnet/nsx-ccp.log

**Answer:** A

**NEW QUESTION 47**

Which three functions require a Services Router (SR) component on an Edge node? (Choose three.)

- A. Service Insertion
- B. Distributed Routing
- C. Packet Forwarding
- D. Gateway Firewall
- E. Distributed Firewall
- F. Virtual Private Network

**Answer:** ADF

**NEW QUESTION 51**

An NSX administrator has configured a KVM hypervisor as a transport node. Which kernel module on KVM implements a N-VDS?

- A. openvswitch
- B. etherswitch
- C. nsx-vswitch
- D. dyswitch

**Answer:** A

**NEW QUESTION 53**

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

**Answer:** C

**NEW QUESTION 58**

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

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

**Answer:** BDF

**NEW QUESTION 60**

Which three can an administrator define in a transport node profile? (Choose three.)

- A. Logical Router
- B. Segment Profile
- C. Segment
- D. Uplink Profile
- E. VDS switch configuration



F. N-VDS switch configuration

**Answer:** DEF

#### NEW QUESTION 65

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

**Answer:** B

#### Explanation:

<https://vdc-download.vmware.com/vmwb-repository/dcr-public/cc42e3c1-eb34-4567-a916-147e79798957/8264>

#### NEW QUESTION 67

Which three different transport nodes could be configured in the data plane? (Choose three.)

- A. vShield Edge VM
- B. ESXi and KVM
- C. Bare Metal server
- D. NSX Edge VM on KVM
- E. ESXi and Hyper-V
- F. VM or Bare Metal NSX Edge

**Answer:** BCF

#### NEW QUESTION 68

Which statement is true regarding the audit user account? (Choose two.)

- A. The admin user must set the password for the audit account to log in to NSX Manager.
- B. The administrator must run the set audit user password <password> command.
- C. The audit user has read-write access to the NSX Manager.
- D. The audit user is disabled by default and must be enabled to log in to the NSX Manager.
- E. The administrator must run the set user audit password <password> command.

**Answer:** AE

#### NEW QUESTION 72

Which two logical router components span across all transport nodes? (Choose two.)

- A. DISTRIBUTED\_ROUTER\_TIER0
- B. SERVICE\_ROUTER\_TIER0
- C. TIER0\_DISTRIBUTED\_ROUTER
- D. DISTRIBUTED\_ROUTER\_TIER1
- E. SERVICE\_ROUTER\_TIER1

**Answer:** AD

#### NEW QUESTION 73

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

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

**Answer:** A

#### Explanation:

<https://vdc-download.vmware.com/vmwb-repository/dcr-public/cc42e3c1-eb34-4567-a916-147e79798957/8264>

#### NEW QUESTION 75

What are three characteristics of a transport zone? (Choose three.)

- A. defines the potential reach of transport nodes
- B. configured with a Single N-VDS
- C. defines the scope and reachability of a Segment
- D. configured with multiple N-VDS
- E. optional for creating a segment

**Answer:** ABC

#### NEW QUESTION 77

How many IPs are required when deploying a highly available NSX Management Cluster with VIP in a production environment?

- A. 5
- B. 6
- C. 3
- D. 4

**Answer:** D

#### NEW QUESTION 78

The NSX Control Plane is responsible for which two functions? (Choose two.)

- A. receive and validate configuration from NSX Policy
- B. host API services
- C. propagate topology information
- D. push stateless configurations to forwarding engines
- E. maintain packet-level statistics

**Answer:** CD

#### NEW QUESTION 79

Which three steps are required to create an IPsec VPN tunnel? (Choose three.)

- A. Create an IPsec service.
- B. Add a local endpoint.
- C. Configure an IPsec session.
- D. Configure a distributed firewall policy.
- E. Add a logical switch.

**Answer:** ABC

#### NEW QUESTION 82

Which NSX CLI command is used to check the GENEVE tunnel status on ESXi transport node?

- A. get host-switch <Host-Switch-Name> tunnels
- B. get transport-node tunnel status
- C. get host-switch <Host-Switch-Name> tunnel status
- D. get transport-node tunnel state

**Answer:** A

#### Explanation:

<https://vdc-download.vmware.com/vmwb-repository/dcr-public/cc42e3c1-eb34-4567-a916-147e79798957/8264>

#### NEW QUESTION 86

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