

# VMware

## Exam Questions 2V0-41.20

Professional VMware NSX-T Data Center



#### NEW QUESTION 1

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

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

**Answer: C**

#### NEW QUESTION 2

What are two types of supported IPsec VPNs in NSX-T Data Center? (Choose two.)

- A. policy-based IPsec VPN
- B. Layer-7 based IPsec VPN
- C. route-based IPsec VPN
- D. Open source based IPsec VPN
- E. SSL based IPsec VPN

**Answer: AC**

#### NEW QUESTION 3

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

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

**Answer: BD**

#### NEW QUESTION 4

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 5

Which two choices are prerequisites to configure NSX-T on VDS? (Choose two.)

- A. MTU 1500
- B. MTU 1400
- C. vSphere Distributed Switch 6.5
- D. vSphere Distributed Switch 7.0
- E. MTU 1600

**Answer: DE**

#### Explanation:

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-BA34FB2A-6780-41C5-B895>

#### NEW QUESTION 6

A user is assigned these two roles in NSX Manager:

- > LB Admin
- > Network Engineer

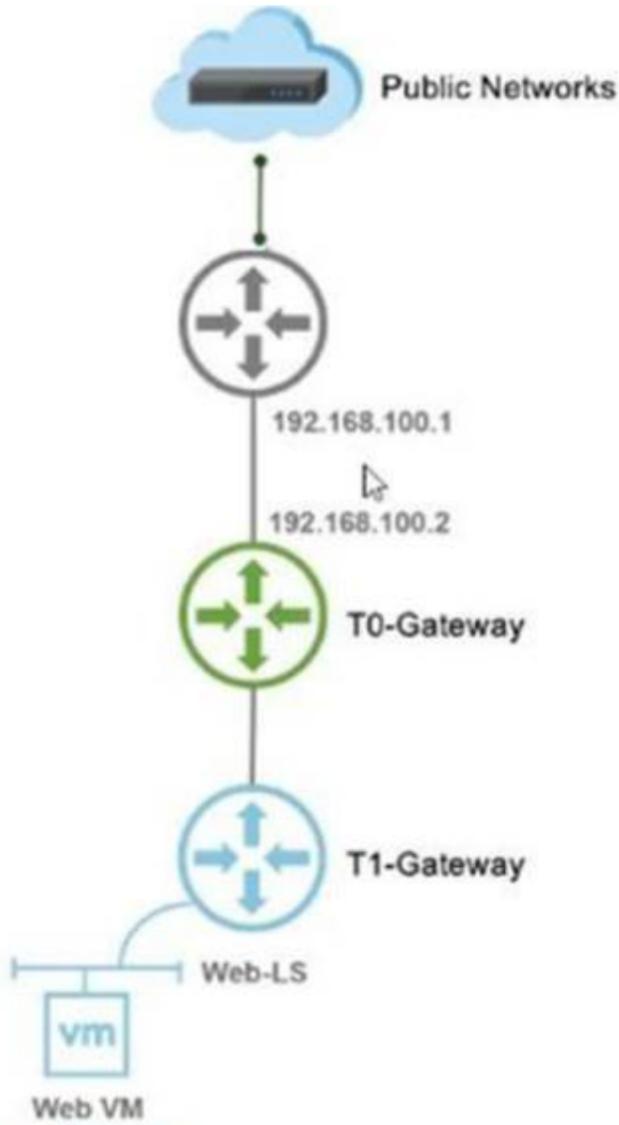
What privileges does this user have in the system?

- 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 7

Refer to the exhibit.



IP: 172.16.101.11

Which NAT type must the NSX-T Data Center administrator create on the Tier-0 or Tier-1 Gateway to allow Web VM to initiate communication with public networks?

- A. SNAT
- B. Reverse NAT
- C. DNAT
- D. 1:1 NAT

Answer: A

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

Answer: A

**NEW QUESTION 9**

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 10**

Which statement is true about an alarm in a Suppressed state?

- A. An alarm can be suppressed for a specific duration in days.
- B. An alarm can be suppressed for a specific duration in minutes.
- C. An alarm can be suppressed for a specific duration in seconds.
- D. An alarm can be suppressed for a specific duration in hours.

Answer: D

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-Intelligence/1.1/user-guide/GUID-EBD3C5A8-F9AB-4A22-BA40-> "If you move an alarm into a Suppressed state, you are prompted to specify the duration in hours. After the specified duration passes, the alarm state reverts to Open. However, if the system determines the condition has been corrected, the alarm state changes to Resolved."

<https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-EB1BB1D3-8892-4890-B>

**NEW QUESTION 10**

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

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

**Answer: D**

**Explanation:**

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

**NEW QUESTION 14**

Which TraceFlow traffic type should an NSX administrator use for validating connectivity between App and DB virtual machines that reside on different segments?

- A. Multicast
- B. Anycast
- C. Unicast
- D. Broadcast

**Answer: C**

**NEW QUESTION 18**

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 21**

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 22**

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 23**

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 24

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 29

Which three steps must be carried out to configure North-South / East-West Network Inspection? (Choose three.)

- A. Service Deployment
- B. Service Insertion
- C. Service Consumption
- D. Service Registration
- E. Service Introspection

**Answer:** ABE

#### NEW QUESTION 34

Which three teaming policy modes are supported by NSX-T Data Center? (Choose three.)

- A. Destination MAC
- B. Load Balanced Source IP
- C. Failover Order
- D. Destination Port
- E. Load Balanced Source MAC
- F. Load Balanced Source

**Answer:** CEF

#### NEW QUESTION 37

Which two tools are used to configure centralized logging in NSX-T Data Center? (Choose two.)

- A. vRealize Network Insight
- B. vRealize Automation
- C. vRealize Log Insight
- D. Syslog Server
- E. vRealize Operations

**Answer:** CD

#### NEW QUESTION 39

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 40

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

**Answer:** C

#### NEW QUESTION 42

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

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

**Answer:** AD

**Explanation:**

The following parameters are inherited from the default Tier-0 gateway and cannot be modified at the VRF level:

- Local AS
- Graceful restart
- Graceful restart timer
- Graceful restart stale timer
- Multipath relax

Inter-SR iBGP is not supported in VRF gateways. BGP can be enabled or disabled per VRF gateway. Route aggregation and BGP neighbors are local configurations per VRF.

**NEW QUESTION 45**

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 46**

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 48**

Where are Distributed Firewall logs containing access decisions stored?

- A. NSX API
- B. NSX Edge
- C. NSX Manager
- D. Hypervisor transport node

**Answer:** D

**Explanation:**

<https://docs.vmware.com/en/VMware-NSX-Data-Center-for-vSphere/6.4/com.vmware.nsx.logging.doc/GUID-6> <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/administration/GUID-D57429A1-A0A9-42BE-A>

**NEW QUESTION 51**

Which two steps must an NSX administrator take to integrate VMware Identity Manager in NSX-T 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. Create an OAuth 2.0 client in VMware Identity Manager.
- D. Enter the Identity Provider (IdP) metadata URL in NSX Manager.
- E. Enter the service URL, Client Secret, and SSL thumbprint in NSX Manager.

**Answer:** CE

**NEW QUESTION 52**

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 57**

Which two statements are true for a Tier-1 Gateway? (Choose two.)

- A. owned and configured by the Tenant
- B. connects to physical networks
- C. owned and configured by Service Provider
- D. always configured in active-standby mode
- E. supports ECMP

**Answer:** BD

**NEW QUESTION 58**

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 62**

Which is correct when deploying a NSX Edge in a KVM only environment?

- A. deploy NSX Edge VM with QCOW2 image
- B. deploy NSX Edge VM with ISO image
- C. deploy NSX Edge on a bare-metal server
- D. deploy NSX Edge VM with OVF template

**Answer:** C

**NEW QUESTION 64**

Which component does the hyperbus interface (vmk50) provide network connectivity to?

- A. containers running on ESXi/KVM transport nodes
- B. virtual machines and containers running across transport nodes
- C. virtual machines running on the same hypervisor
- D. virtual machines running in the same segment

**Answer:** A

**NEW QUESTION 67**

Which two choices are solutions of the NSX portfolio (Choose two.)?

- A. vRealize Automation
- B. NSX Distributed IDS/IPS
- C. vRealize Network Insight
- D. Tanzu Kubernetes Grid
- E. NSX Service Mesh

**Answer:** BE

**NEW QUESTION 68**

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 70**

Which discovery protocol is supported for hypervisor transport nodes?

- A. Adobe Real-time CDP
- B. Neighbor Discovery Protocol
- C. Cisco Discovery Protocol
- D. Link Layer Discovery Protocol

**Answer:** D

**NEW QUESTION 72**

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 75**

A customer has a network where BGP has been enabled and the BGP neighbor is configured on the Tier-0 Gateway. A NSX-T Data Center administrator used the get logical-routers command to retrieve this information:

```
sa-nsxedge-01> get logical-routers
```

```
Logical Router
```

UUID Type	VRF	LR-ID	Name
Ports			
736a80e3-23f6-5a2d-81d6-bbefb2786666 TUNNEL	0	0	
		3	
B10ef54e-d5f3-49e5-99b7-8a51366d0592 SERVICE_ROUTER_TIER1	1	1025	SR-T1-LR-01
		8	
5a5ddd63-3764-4d28-b82e-ee4c964a0dfd SERVICE_ROUTER_TIER0	3	2049	SR-T0-LR-01
		6	
0E0784db-511f-fa72-ae0b-1ccaa0262ad2 DISTRIBUTED_ROUTER_TIER0	4	7	DR-T0-LR-01
		4	

Which two commands must be executed to check BGP neighbor status? (Choose two.)

- A. vrf 3
- B. vrf 1
- C. vrf 4
- D. sa-nsxedge-01(tier1\_sr)> get bgp neighbor
- E. sa-nsxedge-01(tier0\_sr)> get bgp neighbor
- F. sa-nsxedge-01(tier0\_dr)> get bgp neighbor

**Answer: AE**

**NEW QUESTION 77**

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

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

**Answer: AC**

**NEW QUESTION 81**

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 86**

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 89**

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

**Answer:** C

**NEW QUESTION 90**

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 91**

Which Network and Security virtualization solution provides network hybridity and mobility?

- A. VMware HCX
- B. VMware Tanzu Service Mesh
- C. NSX Advanced Load Balancer
- D. NSX Intelligence

**Answer:** A

**NEW QUESTION 95**

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 97**

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