# 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**
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 3**
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 4**
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 5**
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 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**
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 bother 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 8**
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 9**
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 10**
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 10**
Which network tool cloud an administrator use on an ESXi 7 host to capture packets when troubleshooting connectivity issues?

A. Wireshark
B. pktcap-uw
C. net-stats
D. tcpdump

**Answer:** B

**Explanation:**
If you do when troubleshooting connectivity issues on your Virtualization environment. This post will help you to capture Network traffic on ESXi host using pktcap-uw tool.

**NEW QUESTION 15**
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


**NEW QUESTION 18**
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 21**
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 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 26**
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 30**
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 32**
An NSX administrator has observed connectivity issues between the NSX Manager and the KVM Transport Node.
Which two log files could be used to troubleshoot the issue on the KVM Transport Node? (Choose two.)

A. /var/log/vmware/nsx-syslog
B. /usr/vmware/log/syslog
C. /var/log/nsx/syslog
D. /usr/vmware/nsx-syslog
E. /var/log/syslog

**Answer:** AE

**NEW QUESTION 34**
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 36**
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 41**
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 44**
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 48**
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 49**
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 54**
An administrator has a requirement to have consistent policy configuration and enforcement across NSXT instances. What feature of NSX-T Data Center fulfills this requirement?

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

**Answer:** B


**NEW QUESTION 58**
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 quest 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 63**
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. Port Mirroring
C. Activity Monitoring
D. IPFIX

**Answer:** A


**NEW QUESTION 64**
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 -I vmk0 -H <destination IP address>

**Answer:** C

**Explanation:**
https://kb.vmware.com/s/article/1003728


**NEW QUESTION 65**
What are two supported N-VDS modes? (Choose two.)

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

**Answer:** DE

**Explanation:**
https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.0/installation/GUID-37BC3CEF-DCC1-4C6F-960


**NEW QUESTION 70**
A company is deploying a NSX-T Data Center micro-segmentation in their vSphere environment to secure a simple application composed of web, app, and database tiers.

The naming convention will be:

WKS-WEB-SRV-XXX
WKY-APP-SRR-XXX
WKI-DB-SRR-XXX

What is the optimal way to group them in order to enforce security policies from NSX-T Data Center?

A. Create an Ethernet based security policy.
B. Group all by means of tags membership.
C. Use Edge as a firewall between tiers.
D. Do a service insertion to accomplish the task.

**Answer:** B


**NEW QUESTION 74**
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 78**
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 83**
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 85**

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:

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 90**
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 94**
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 95**
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 sysloq -e false

**Answer:** C

**NEW QUESTION 99**

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 103

Which tool injects packets and provides various observation points along the packet's path between two NSX-T managed objects?

A. SPAN mirrors
B. Port Mirroring
C. Traceflow
D. IPFIX

**Answer:** C

## NEW QUESTION 108

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 109

An NSX administrator is configuring the KVM hypervisor host as a transport node and wants to apply the Failover Order as a NIC teaming policy.
Which profile allows the administrator to configure the NIC Teaming policy as Failover Order?

A. N-VDS/VDS Profile
B. Transport Node Profile
C. Host Switch Profile
D. Uplink Profile

**Answer:** D

## NEW QUESTION 111

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 112
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