

VMware.1V0-41.20.byTony.47q

Number: 1V0-41.20
Passing Score: 800
Time Limit: 120
File Version: 3.0

Exam Code: 1V0-41.20

Exam Name: Associate VMware Network Virtualization



Exam A

QUESTION 1

What are two benefits of virtual networking? (Choose two.)

- A. Limited network infrastructure scalability
- B. Limited workload mobility
- C. Reduced provisioning time
- D. Increased complexity
- E. Increased network visibility

Correct Answer: C, E

Section:

QUESTION 2

An administrator wants to secure Virtual Machines that are on the same Layer Two Segment. Which NSX-T feature should the administrator use?

- A. Personal Firewall
- B. Gateway Firewall
- C. Network Introspection
- D. Distributed Firewall

Correct Answer: D

Section:

QUESTION 3

When is vCenter Server required to deploy NSX-T Data Center?

- A. To perform NSX license management
- B. To deploy NSX Edge virtual machines
- C. To perform NSX certificate management
- D. To deploy NSX Controller virtual machines

Correct Answer: D

Section:

QUESTION 4

An administrator needs to configure a network that consists of three tiers. How can the administrator achieve routing between all of the segments using NSX-T?

- A. With bridging
- B. With firewall rules
- C. With segments



D. With gateways

Correct Answer: D

Section:

QUESTION 5

What can a service provider achieve for customers with the aid of NSX-T Tier-0 and Tier-1 Gateways?

- A. Quality of service
- B. Multi-tenancy
- C. High availability
- D. Micro-segmentation

Correct Answer: D

Section:

QUESTION 6

Which component is the key value for the VMware approach of a software-defined data center (SDDC)?

- A. Vendor agnostic platform
- B. Vendor specific network
- C. Vendor specific x86
- D. Vendor specific storage

Correct Answer: A

Section:



QUESTION 7

Which plane in the NSX-T Data Center Architecture is used to create, read, update, and delete (CRUD) operations?

- A. Local Control Plane (LCP)
- B. Management Plane
- C. Data Plane
- D. Central Control Plane (CCP)

Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-NSX-Data-Center-for-vSphere/6.4/com.vmware.nsx.troubleshooting.doc/GUID-88BA25EC-126B-41EE-9F06-BD6235C9EC77.html>

QUESTION 8

An administrator is planning to upgrade hardware and needs to keep the virtual machines online during the process. Which vSphere feature will allow this to occur?

- A. vSphere Distributed Power Management
- B. vSphere Distributed Resource Scheduler
- C. vSphere High Availability

D. vSphere Motion

Correct Answer: D

Section:

QUESTION 9

How are NSX managed compute endpoints called?

- A. Transport Zone
- B. vSphere Node
- C. Transport Node
- D. Compute Node

Correct Answer: C

Section:

Explanation:

Reference: <https://www.uk.insight.com/en-gb/content-and-resources/articles/cloud-hub/2018-02-12-hybrid-cloud-networking-with-vmware-nsx-t>

QUESTION 10

A customer needs to create a multi-tier network infrastructure.

What does the customer need to do to create this infrastructure?

- A. Connect segments to a Tier-1 gateway, and connect the Tier-1 gateway to the Tier-0 gateway.
- B. Connect segments to the Tier-1 gateway only.
- C. Connect segments to a Tier-0 gateway, and connect the Tier-0 gateway to the Tier-1 gateway.
- D. Connect segments to the Tier-0 gateway only.

Correct Answer: A

Section:

QUESTION 11

Which plane is responsible for creating and deleting network objects in the NSX-T Data Center Architecture?

- A. Control Plane
- B. Data Plane
- C. Life Cycle Plane
- D. Management Plane

Correct Answer: D

Section:

QUESTION 12

Which security services are natively provided by NSX-T Data Center?

- A. Network introspection
- B. Endpoint protection
- C. Distributed IDS

D. Anti-virus protection

Correct Answer: B

Section:

QUESTION 13

A customer has experienced a disaster.

Which statement describes a recovery benefit of a vSphere Environment with NSX Data Center?

- A. NSX Datacenter enables replication between sites.
- B. Workload mobility is tied to vCenter server.
- C. It simplifies the DR by not requiring the change of the IP addresses of workloads.
- D. It is a requirement to stretch cluster to have a DR scenario.

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/3.1/administration/GUID-5D7E3D43-6497-4273-99C1-77613C36AD75.html>

QUESTION 14

What is the benefit of connecting segments to Tier-1 Gateways?

- A. Enhanced cloud consumption model
- B. Enhanced micro-segmentation model
- C. Enhanced East/West communication
- D. Enhanced North/South communication



Correct Answer: C

Section:

Explanation:

Reference: <https://www.vgarethlewis.com/2019/12/17/vmware-nsx-t-logical-routing-part-1-tier-1-gateway/>

QUESTION 15

What does a customer need to configure to create GENEVE backed segments using NSX-T Data Center?

- A. VLAN Transport Zone
- B. Virtual Distributed Switch
- C. Virtual Standard Switch
- D. Overlay Transport Zone

Correct Answer: D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Validated-Design/6.1/sddc-architecture-anddesign-for-a-vsphere-with-tanzu-workload-domain/GUID-B1A08A06-F475-436B-8BA4-31552450D63C.html>

QUESTION 16

How can NSX-T Distributed Firewall help customers achieve security for newly migrated containerized applications?

- A. Quality of service
- B. Micro-segmentation
- C. Dynamic routing
- D. Network I/O control

Correct Answer: B

Section:

Explanation:

Reference: <https://blogs.vmware.com/networkvirtualization/2020/04/nsx-t-3-0.html/>

QUESTION 17

Which two statements are true about N-VDS/VDS? (Choose two.)

- A. KVM hosts support both N-VDS and VDS.
- B. It is a module deployed in all transport nodes that provides L2 functionality.
- C. It is a module deployed in all transport nodes that provides L3 functionality.
- D. ESXi hosts support both N-VDS and VDS.
- E. Bare-metal servers support both N-VDS and VDS.

Correct Answer: B, D

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.3/com.vmware.nsxt.install.doc/GUID-F47989B2-2B9D-4214-B3BA-5DDF66A1B0E6.html>



QUESTION 18

How does virtual networking enable business to reduce time-to-market?

- A. By performing automatic hardware upgrades
- B. By increasing traffic bandwidth
- C. By removing physical network devices
- D. By providing network services on demand

Correct Answer: D

Section:

Explanation:

Reference: <https://www.vmware.com/radius/virtual-cloud-networking-10-things/>

QUESTION 19

A customer is implementing a proof of concept for vSphere and wants to enable features such as HA, vMotion and DRS. Which component is required to enable these features?

- A. vCenter Server
- B. vSphere Client
- C. SAN Storage
- D. Distributed Switch

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.0/vsphere-esxi-vcenter-server-601-resource-management-guide.pdf>

QUESTION 20

Which component needs to be available for the ESXi hosts to be able to enable vSphere High Availability?

- A. 10Gbps network interfaces
- B. Direct attached disks
- C. Shared data storage
- D. Dual CPU sockets

Correct Answer: C

Section:

Explanation:

Reference: <https://www.vladan.fr/how-to-configure-vmware-high-availability-ha-cluster/>

QUESTION 21

Which protocol allows an administrator to provide overlay networks on top of physical networks used in NSX-T Datacenter?

- A. Geneve Segments
- B. Tier-0 Gateway
- C. VXLAN
- D. Distributed Firewall



Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Validated-Design/5.1/sddc-architecture-anddesign-for-vmware-nsxt-workload-domains/GUID-CF3C47CA-9BEB-4213-8F08-1494261BF3EC.html>

QUESTION 22

A customer needs to manage and extend their data center network into VMware Cloud on AWS and Microsoft Azure Cloud.

Which VMware product should the customer use?

- A. NSX Cloud
- B. NSX Intelligence
- C. vCloud Director Extender
- D. vRealize Network Insight Cloud

Correct Answer: A

Section:

Explanation:

Reference: <https://www.vmware.com/products/nsx-cloud.html>

QUESTION 23

Which product in the virtual infrastructure layer of the SDDC provides network virtualization capabilities?

- A. VMware NSX
- B. VMware vSphere
- C. VMware vRealize Network Insight
- D. VMware vSAN

Correct Answer: A

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-Validated-Design/5.0/com.vmware.vvd.sddcdesign.doc/GUID-2E9FE367-8295-49CB-9C21-B615B543D705.html>

QUESTION 24

An administrator needs to encrypt file transfers between two sites that do not have the same subnet. Which NSX-T feature accomplishes this task?

- A. IPSEC VPN
- B. SSL VPN +
- C. Tier-0 Gateway
- D. L2 VPN

Correct Answer: A

Section:

QUESTION 25

A customer needs to secure two virtual machines that are attached to the same segment. How can the customer achieve network security using NSX Data Center?

- A. Configure a distributed firewall rule
- B. Move one of the virtual machines to a separate segment
- C. Configure a physical firewall rule
- D. Install a personal firewall on each virtual machine

Correct Answer: A

Section:

QUESTION 26

A customer needs multi-cloud load balancing, web application firewall, and container ingress services across on-premises data centers and any cloud. Which product meets this customer's needs?

- A. VMware HCX
- B. NSX Advanced Load Balancer
- C. NSX Cloud
- D. NSX Distributed IDS

Correct Answer: B



Section:

Explanation:

Reference: <https://www.vmware.com/products/nsx-advanced-load-balancer.html>

QUESTION 27

A customer needs a solution to provide Layer 2 connectivity between vSphere and KVM hypervisors. Which VMware solution should the customer use?

- A. NSX Service Mesh
- B. NSX Cloud
- C. NSX-T Data Center
- D. NSX Intelligence

Correct Answer: C

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-NSX-T-Data-Center/2.3/com.vmware.nsxt.install.doc/GUID-A1BBC650-CCE3-4AC3-A774-92B195183492.html>

QUESTION 28

What are two characteristics of a Software Defined Networking (SDN) solution? (Choose two.)

- A. It allows workloads to be placed and migrated anywhere in the network.
- B. It is dependent on the underlying physical routers and switches.
- C. It is decoupled from the physical networking infrastructure.
- D. It contributes to layer 2 network sprawl.
- E. It restricts the placements of virtual machines and containers.



Correct Answer: A, C

Section:

Explanation:

Reference: <https://www.vmware.com/topics/glossary/content/software-defined-networking>

QUESTION 29

Which component is required to use VMware Distributed vSwitches (vDS)?

- A. VMware NSX-T
- B. VMware SD-WAN
- C. VMware Identity Manager
- D. VMware vCenter Server

Correct Answer: A

Section:

Explanation:

Reference: <https://www.altaro.com/vmware/vsphere-distributed-switch-guide/>

QUESTION 30

Which three solutions does the software-defined data center (SDDC) help build? (Choose three.)

- A. Native cloud
- B. Secure cloud
- C. Hyperscale
- D. Hybrid cloud
- E. On premises
- F. Public cloud

Correct Answer: D, E, F

Section:

Explanation:

Reference: <https://www.vmware.com/solutions/software-defined-datacenter/indepth.html#delivery-options>

QUESTION 31

A customer is planning to utilize NSX-T Data Center security services while maintaining current security services providers. Which two features can help the customer achieve this kind of integration? (Choose two.)

- A. Guest Introspection
- B. Distributed Firewall
- C. Network Introspection
- D. Gateway Firewall
- E. Intrusion Detection

Correct Answer: B, E

Section:

QUESTION 32

A customer needs to secure its micro-services. Which feature does NSX Data Center offer to help achieve this requirement?

- A. Micro segmentation enforcement at container level
- B. Integration with third-party vendors
- C. Service Insertion for Containers
- D. Easy Operation of Containers

Correct Answer: A

Section:

Explanation:

Reference: <https://www.agilis.com.tr/vmware-nsx-data-center.html>

QUESTION 33

What is one way to access the NSX Manager?

- A. vSphere Client with a supported browser
- B. NSX UI with a supported browser
- C. NSX Manager via Telnet
- D. NSX Manager through a dedicated fat client



Correct Answer: B

Section:

Explanation:

Reference: <https://docs.vmware.com/en/VMware-NSX-Data-Center-for-vSphere/6.4/com.vmware.nsx.admin.doc/GUID-CE5C4FD1-CFA7-49F3-B170-BC08CC15A9FB.html>

QUESTION 34

Which three different types of planes are available in the NSX-T Data Center Architecture? (Choose three.)

- A. Network Plane
- B. Control Plane
- C. Routing Plane
- D. Management Plane
- E. Data Plane
- F. Security Plane

Correct Answer: A, B, E

Section:

QUESTION 35

A customer needs a language-independent way to observe, automate, secure, and control microservices.

Which product can help?

- A. NSX Service Mesh
- B. NSX-T Data Center
- C. VMware HCX
- D. vRealize Log Insight



Correct Answer: A

Section:

QUESTION 36

Which plane of the NSX-T Data Center architecture performs the network traffic forwarding?

- A. Routing Plane
- B. Control Plane
- C. Data Plane
- D. Management Plane

Correct Answer: A, B

Section:

QUESTION 37

A customer notices that some virtual machines are not getting the required resources although some of the hosts in the cluster are underutilized.

Which component of vSphere can help solve the customer's problem?

- A. Admission Control
- B. Proactive High Availability

- C. Distributed Resource Scheduler
- D. Distributed Port Groups

Correct Answer: C

Section:

QUESTION 38

Which two network connection types can be enabled in ESXi? (Choose two.)

- A. Connecting VMware DRS services to the physical network
- B. Connecting hybrid services to the physical network
- C. Connecting virtual machines to the physical network and to each other
- D. Connecting VMkernel services to the physical network
- E. Connecting cluster services to the physical network and to each other

Correct Answer: C, D

Section:

QUESTION 39

Which vSphere feature protects virtual machines against a hardware failure?

- A. vSphere Distributed Resource Scheduler
- B. vSphere vMotion
- C. vSphere Distributed Power Management
- D. vSphere High Availability

Correct Answer: D

Section:

QUESTION 40

Which three VMware products help secure the software-defined data center (SDDC)? (Choose three.)

- A. VMware NSX
- B. VMware vSphere Replication
- C. VMware Deep Security
- D. VMware SecDevOps
- E. VMware Carbon Black
- F. VMware AppDefense

Correct Answer: A, C, E

Section:

QUESTION 41

Which component provides virtual switching capabilities in NSX-T Data Center?

- A. NVD
- B. VSS



- C. NVDS
- D. VDSv6

Correct Answer: D

Section:

QUESTION 42

A customer needs help detecting lateral threat movement on east-west network traffic across multicloud environments. Which solution should the customer use?

- A. VMware HCX
- B. NSX SD-WAN
- C. NSX Distributed IDS
- D. NSX Intelligence

Correct Answer: C

Section:

QUESTION 43

A team of software developers has recently deployed a 3-tier application consisting of web servers, application servers, and database servers. These servers are currently connected to different segments. A junior network administrator has been asked to ensure that the servers of the 3-tier application can communicate with each other. Users need access to the 3-tier application from the external network. The administrator has been asked to use a multi-tier deployment. Which two steps does the administrator need to perform to complete this task? (Choose two.)

- A. Connect the Tier-1 Gateway to the external router from the NSX UI
- B. Connect the three segments to a Tier-0 Gateway from the NSX UI
- C. Connect the three segments to a Tier-1 Gateway from the NSX UI
- D. Connect the Tier-1 Gateway to the Tier-0 Gateway from the NSX UI
- E. Connect the three segments to the external router from the NSX UI

Correct Answer: B, D

Section:

QUESTION 44

Which consumption method should an administrator use to create NSX-T objects from code?

- A. The NSX-T Web GUI
- B. A dedicated NSX-T Fat Client
- C. The REST API
- D. vCenter Server

Correct Answer: C

Section:

QUESTION 45

What does NSX-T provide to a telecom provider's network services related to network throughput?



- A. Higher performance
- B. Higher recoverability
- C. Higher security
- D. Higher availability

Correct Answer: D

Section:

QUESTION 46

A software developer has recently deployed two web servers that need to communicate with each other to exchange information. A junior network administrator has been asked to connect these two virtual machines to an already existing segment in NSX called Web-Segment and verify that communication between these two VMs is possible. The two web servers are running in a vSphere environment managed by vCenter Server. Which two steps need to be performed to complete this task? (Choose two.)

- A. Connect the VMs to the segment from the NSX UI
- B. Use the traced command to check connectivity between VMs
- C. Connect the VMs to the segment from inside the Guest OS
- D. Use the ping command to check connectivity between VMs
- E. Connect the VMs to the segment from the vSphere Client

Correct Answer: A, D

Section:

QUESTION 47

A customer needs a solution to optimize East/West traffic while maintaining an overlay-based L3 communication. Which NSX-T Data Center feature can the customer use to achieve this requirement?

- A. Forwarding Policies
- B. Layer 2 Bridging
- C. Tier-0 Gateways
- D. Tier-1 Gateways

Correct Answer: C

Section:

