

1V0-41.20.VCEplus.premium.exam

Number: 1V0-41.20  
Passing Score: 800  
Time Limit: 120 min  
File Version: 1.0



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1V0-41.20

Associate VMware Network Virtualization



**Exam A**

**QUESTION 1**

Given this exhibit:

<input type="checkbox"/>	Name	ID	Sources	Destinations	Services	Profiles	Applied to	Action	
<input type="checkbox"/>	Block SSH Traffic (1)		Category: LOCAL GATEWAY						
<input type="checkbox"/>	Block SSH		Any	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> App-Servers</li> <li><input checked="" type="checkbox"/> DB-Servers</li> <li><input checked="" type="checkbox"/> Web-Servers</li> </ul>	SSH	None	TO-GW-01	Drop <input type="checkbox"/>	

Which statement is true about the firewall rule?

- A. It is a distributed firewall applied to App-Servers, DB-Servers and Web-Servers that rejects traffic on port 22.
- B. It is a gateway firewall applied to a Tier-1 gateway that rejects traffic on port 22.
- C. It is a distributed firewall applied to App-Servers, DB-Servers and Web-Servers that drops traffic on port 22.
- D. It is a gateway firewall applied to a Tier-0 gateway that drops traffic on port 22.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 2**

Given this exhibit:

Host Transport Nodes | Edge Transport Nodes | Edge Clusters | ESXi Bridge Clusters | NCP Clusters

Managed by sa-vcsa-01.vclass.local

CONFIGURE NSX | REMOVE NSX | ACTIONS

<input type="checkbox"/>	Node	ID	IP Addresses	OS Type	NSX Configuration	NSX Version	Host Switches	Tunnels	TEP IP Addresses	Node Status
<input type="checkbox"/>	SA-Management-Ed...	MoRef ID: d...								3 Hosts Not Configured
<input type="checkbox"/>	sa-esxi-02.vclass.local	b991...1023	172.20.10.52, 172...	ESXi 7.0.0	Not Configured		0	Not Available		Not Available
<input type="checkbox"/>	sa-esxi-01.vclass.local	b991...1011	172.20.10.51, 172.2...	ESXi 7.0.0	Not Configured		0	Not Available		Not Available
<input type="checkbox"/>	sa-esxi-03.vclass.local	b991...1020	172.20.10.53, 172...	ESXi 7.0.0	Not Configured		0	Not Available		Not Available
<input type="checkbox"/>	SA-Compute-01 (2)	MoRef ID: d...			Applied Profile: E...					2 Hosts Up
<input type="checkbox"/>	sa-esxi-05.vclass.local	0906...8750	172.20.10.55, 172...	ESXi 7.0.0	Success	3.0.0.0.0.15...	1	5	172.20.11.152	Up
<input type="checkbox"/>	sa-esxi-04.vclass.local	c365...67fb	172.20.10.54, 172...	ESXi 7.0.0	Success	3.0.0.0.0.15...	1	6	172.20.11.151	Up

Which statement is true about the host transport nodes?

- A. sa-esxi-04.vclass.local is successfully prepared for NSX with a TEP address of 172.20.11.151.
- B. sa-esxi-02.vclass.local is successfully prepared for NSX with a TEP address of 172.20.10.52.
- C. sa-esxi-05.vclass.local is successfully prepared for NSX with a TEP address of 172.20.10.55.
- D. sa-esxi-03.vclass.local had an error while being prepared for NSX with no TEP address assigned.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

A customer needs to simplify application migration, workload rebalancing, and business continuity across data centers and clouds.

Which product can help?

- A. vRealize Operations
- B. NSX Cloud
- C. VMware Carbon Black
- D. VMware HCX

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.vmware.com/en/VMware-HCX/services/user-guide/GUID-A7E39202-11FA-476A-A795-AB70BA821BD3.html>

**QUESTION 4** 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:** (none)

**Explanation**



**Explanation/Reference:**

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 5** 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:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

How are NSX managed compute endpoints called?

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

D. Compute Node

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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 7** 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:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8** 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:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9** 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:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 11** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 12**

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:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 13** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 14** 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:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 15** 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:** (none)

**Explanation**

**Explanation/Reference:**

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



**QUESTION 16** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 17** 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:** (none)

## Explanation

### Explanation/Reference:

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

### QUESTION 18

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:** (none)

### Explanation

### Explanation/Reference:

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

**QUESTION 19** 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:** (none)

### Explanation

### Explanation/Reference:

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

**QUESTION 20** 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:** (none)

### Explanation

### Explanation/Reference:

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

**QUESTION 21** 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:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 22** 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:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 24** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 25** 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:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 26** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 27** 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:** DEF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 28** 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:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 29** 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:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 30**

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:** (none)

**Explanation**

**Explanation/Reference:**

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>

