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Exam : **1V0-41.20**

Title : Associate VMware Network
Virtualization

Vendor : VMware

Version : DEMO

NO.1 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

Answer: D

Explanation:

VMware HCX (Hybrid Cloud Extension) is designed to simplify application migration, workload rebalancing, and business continuity across data centers and clouds. It provides services such as live migration, disaster recovery, and continuous availability.

References:

- * VMware HCX Documentation
- * VMware HCX Overview

NO.2 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

Answer: C D

Explanation:

To ensure that the servers of a 3-tier application can communicate with each other and users can access the application from the external network using a multi-tier deployment, the administrator needs to:

C; Connect the three segments to a Tier-1 Gateway from the NSX UI: This ensures internal routing between the segments.

D: Connect the Tier-1 Gateway to the Tier-0 Gateway from the NSX UI: This enables routing from the internal network to the external network.

References:

- * NSX-T Data Center Logical Routing
- * Connecting Segments to Gateways

NO.3 Which component is required to use VMware Distributed vSwitches (vDS)?

- A.** VMware Identity Manager
- B.** VMware vCenter Server

C. VMware SD-WAN

D. VMware NSX-T

Answer: B

NO.4 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

Answer: D

Explanation:

vSphere High Availability (HA) protects virtual machines against hardware failures by automatically restarting VMs on other available hosts in the cluster in case of a host failure. vSphere HA provides high availability for applications running in virtual machines, independent of the operating system and application.

References:

* vSphere High Availability Documentation

* Understanding vSphere HA

NO.5 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

Answer: A

Explanation:

In NSX-T Data Center, the Geneve protocol is used to provide overlay networks on top of physical networks.

Geneve (Generic Network Virtualization Encapsulation) is a tunneling protocol that enables the creation of virtual network overlays, allowing for the segmentation and isolation of network traffic in multi-tenant environments. This flexibility simplifies network management and enhances scalability.

NO.6 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

Answer: C

Explanation:

The Distributed Resource Scheduler (DRS) can help solve the problem of virtual machines not getting required resources while some hosts in the cluster are underutilized. DRS balances the load across

the hosts in a cluster by moving virtual machines to ensure optimal distribution of resources. It continuously monitors the cluster and makes adjustments to achieve better performance and resource utilization.