

VMware.Premium.5V0-42.21.30q - DEMO

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**Exam Code:** 5V0-42.21

**Exam Name:** VMware SD-WAN Design and Deploy Skills

**Website:** <https://VCEup.com/>

**Free Exam:** <https://vceup.com/exam-5v0-42-21/>



**QUESTION 1**

The VMware SD-WAN solution is comprised of Orchestrator, Gateway, and Edge. The architecture ensures separation and secure communication between the management, control, and data plane of the solution. The management plane consists of the VMware SD-WAN Orchestrator, and the control plane is comprised of the VMware SD-WAN Gateway/ Controller. Which statement correctly describes this situation?

- A. VMware SD-WAN Edges/Gateways establishes a Transport Layer Security (TLS) 1.2 encrypted session to the VMware SD-WAN Orchestrator
- B. To make the entire solution to work properly, TCP port 443 and UDP port 500 and UDP port 4500 are required to open in the firewall rule, if Edge is deployed behind a Firewall.
- C. There is impact on data plane when the Edge loses connectivity to the management plane. The operator only loses the visibility of the Edge from Orchestrator and cannot make configuration changes on the Edge until the management plane connectivity is resumed.
- D. Traffic between VMware SD-WAN Edges and from VMware SD-WAN Edges to VMware SD-WAN Gateways uses VMware SD-WAN Management Protocol (VCMP) tunneling over User Datagram Protocol (UDP) port 2427. secured with Internet Protocol Security (IPSec)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 2**

Employees with an Apple iOS device have been causing congestion on the company's internet. What should an administrator configure to target these devices when creating a Business policy for this issue?

- A. Action Priority
- B. Action Network Service
- C. Match Source
- D. Match Destination

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

A customer has deployed VMware SD-WAN solution. An administrator asked to import additional security for traffic going to internet without investigating in new hardware solutions.

- A. Service chaining with DFW in NSX-V
- B. Service chaining with Zscaler Cloud Security Service
- C. Service chaining with DFW in NSX-1
- D. Service chaining with AWS Cloud Security

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 4**

A service provider needs to upgrade a gateway to a new software version. Which step is needed to complete the upgrade process?

- A. Re-assign the Gateway to a new gateway Pool with the appropriate software version, and then run 'sudo apt-get update' from the Gateway console.
- B. Create a new disk partition to save the new software image to, modify the boot order via the Gateway BIOS to boot to the new partition, and then reboot the gateway.
- C. From the Orchestrator, select the check-box next to the appropriate gateway, choose "Assign Software image", and then select the version for the upgrade.
- D. Copy the new image to /var/lib/velocloud/software\_update.tar, and then run the upgrade script from the console.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

A customer is looking to have Quality of Service (QoS), resource allocations, link/path steering, and error correction applied automatically based on applications. Which component of VMware SD-WAN helps the customer achieve this requirement?

- A. Overlay Flow Control
- B. High Availability Configuration
- C. Business Policy Framework
- D. Branch Site Topologies

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

Which deployment model ensures that management and control plane is cloud-delivered while data continues to flow on-premises between VMware SD-WAN nodes that remain on-premises?

- A. Hosted SD-WAN Orchestrator/Controller
- B. On-premises SD-WAN Orchestrator/Controller
- C. Partially on-premises
- D. All on-premises

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

Company A has recently acquired Company B, which has two remote offices. Company A is using VMware hosted Cloud Gateways, and Company B is using a VMware SD-WAN with a Hub-Spoke topology. Which VMware Cloud VPN solution an administrator configure to establish connectivity between the offices of Company A and Company B?

- A. Site-to-Site VPN
- B. Branch to CASH
- C. Branch to Branch VPN
- D. Branch to Non VMware SD-WAN Site

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Which port is used for the high availability connection between the two Edges on a pair of Edge 510s?

- A. Any port may be chosen.
- B. GE1

- C. SFP1
- D. GE4

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 9

A service provider needs to ensure that the NOC is notified proactively in the event that an Edge interface loses connectivity to its WAN provider. Which three methods are available for generating these alerts? (Choose three.)

- A. Slack notification
- B. Text/SMS
- C. Push notification via the VMware SD WAN mobile app
- D. SNMP Trap
- E. Webhook
- F. Dying Gasp

**Correct Answer:** BCF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 10

A customer has a 10,000 branch site requirement and must use a hub cluster in their design. Which VMware SO- WAN best practice should be used when designing the cluster?

- A. BGP on WAN side
- B. Static routing
- C. MP BGP south bound
- D. BGP on LAN side

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 11

Which statement is correct about VMware SD-WAN Orchestrator user roles and their associated privileges?

- A. Customer Support User can view and manage their company's network
- B. Standard Admin User can view but cannot manage their customer.
- C. Superuser: User can view but cannot create additional admin.
- D. Enterprise read only: User can view but not modify configurations.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

A customer is using VMware vSphere in their data center. An administrator is asked to deploy SDWAN Edges for a Proof of Concept as soon as possible. Which deployment option is the most cost and time effective?

- A. Deploy a virtual appliance on ESXi
- B. Purchase bare metal Edge
- C. Deploy a virtual appliance in AWS
- D. Deploy a virtual appliance on KVM

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

Which VMware SR-WAN component runs the Deep Application Recognition Engine?

- A. VMware SD WAN Orchestrator
- B. VMware SD-WAN Controller
- C. VMware SD-WAN Gateway
- D. VMware SD-WAN Edge

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

A customer would like to use a VNF firewall on the VMware SU-WAN 600 series Edge. Where do the Edge firewall rules of the VNF apply?

- A. Underlay
- B. Overlay
- C. WAN side
- D. LAN side

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

A service provider wants to offer a common service from its data center via VMware SD-WAN Partner Gateway to many customers with overlapping IP addresses. Which configuration must be implemented?

- A. Define multiple segments for each customer
- B. Enable NAT hand off under hand off static routes configuration
- C. Enable tag type QinQ under hand off interface configuration
- D. Configure source policy-based NAT under business- policies configuration

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 16**

A network administrator is concerned about an Edge that may be approaching its documented limit for the number of simultaneous tunnels. The historical data showing the number of simultaneous tunnels over the time needs to be checked. Where can this historical data be found?

- A. Connect to the Edge CLI via SSH, and /opt/vc/bin/debug-py- tunnel\_count
- B. In the Monitoring section for the Edge in question, navigate to the "System" tab.
- C. In the Remote Diagnostics section of the UI, run the "Total Counts dump" test.
- D. Use the SNMP manage poll the vcelHealthObject tree in the VELOCLOUD-EDGE-MIB

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 17**

Which three authentication mode options are valid for use on the VMware SD-WAN Edge? (Choose three.)

- A. Certificate Enabled
- B. Certificate are Optional
- C. Certificate Disabled
- D. Certificate Activated
- E. Certificate Accepted
- F. Certificate Required

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 18**

A customer would like to ensure that the traffic towards the Partner Gateway does not exceed a certain bandwidth. Which feature should be used?

- A. Modify the SD WAN Traffic Class and Weight Mapping
- B. Enable the SD-WAN Overlay Rate-Limit.
- C. Change the application priority to low.
- D. Enable the rate limit under a new custom Business Policy Rule.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 19**

A MSP partner needs to setup a Partner Gateway and configure the Handoff Interface. Which are the valid configuration options for the Tag type?

- A. None, 802 1q, 802 3ad, and QinQ(0x8100) / QinQ(0x9100)
- B. None. 802. 1q. 802, 1 ad, and QinQ(0x8100) / QinQ(0x9100)

- C. None, 802 1q, 802\_1ac, and Qin(0x8100) / QinQ(0x9100)  
 D. None, 802 1d, 802.1ad, and QinQ(0x8100)/ QinQ(0x9100)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 20

Given a VMware SD WAN Branch Edge with Dual Internet links A and B:

- Link A has 50 Mb capacity and latency 10ms
- Link H has 50 Mb capacity and latency 10ms

A database backup of 40Mbps is parted, and the traffic classified as low priority bulk traffic.

Which statement is correct?

- A. DMPO will perform pen How load balancing.  
 B. Packet duplication will take plant? to ensure both links are optimized.  
 C. Packets will be sent nut the highest latency link first as this is low priority bulk traffic  
 D. Link Aggregation may take place, and both links could be used.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

Which role(s) must be enable under Gateway configuration page to allow a VMware SD-WAN Gateway to build IPsec tunnels to non-VM SD-WAN?

- A. Control Plane  
 B. Control Plane + Data Plane + Partner Gateway  
 C. Control Plane + Secure VPN Gateway  
 D. Control Plane + Data Plane + Secure VPN Gateway

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 22

During a VMware SD-WAN design session for a core business application, a customer expressed the following requirements:

- \* Allow business abstraction so that similar policies can be applied across different hardware types.
- \* Eliminate the need for the operations team to know the type of physical connectivity or the WAN carrier.
- \* Maintain SLA for real-time application.

Which design should be taken in terms of Link Steering?

- A. Select WAN Link, and then define the DSCP tagging  
 B. Select Error Correct Before Steering with % definition  
 C. Select Transport Group, and then select Preferred option.  
 D. Deselect Error Correct before Steering Defaults.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 23**

A VMware SD-WAN customer has a requirement to enable single sign-on (SSO) authentication to their existing provider (idp) for access to their Orchestrator account. Which authentication protocol is supported?

- A. OpenID Connect (OIDC)
- B. LDAP
- C. SAML 2.0
- D. TACACS+

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 24**

An Enterprise customer just acquired a new company, and the Network Enterprise administrator was tasked to integrate over 20 new branches into their existing SD-WAN network. However, these branches have overlapping IPs with the existing branches subnets.

- A. Configure a NAT hand off rule at the VMware SD WAN gateway assigned to these new branches, translating the new branch subnets into a new non-overlapping subnet
- B. Configure a LAN-side NAT rule at the branch device settings, translating its subnets into a new nonoverlapping subnet
- C. Configure a NAT firewall rule in each branch, translating its subnets into a new non-overlapping subnet
- D. Configure a policy based NAT for each branch translating its subnets into a new non-overlapping subnet

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 25**

Company A has recently acquired Company B and needs to establish network connectivity. Company A has only Cisco for firewalls and VPN. Company B is using VMware SD-WAN. Which VMware SD-WAN Cloud VPN solution should an administrator configure to establish connectivity?

- A. Branch to Non VMware SD-WAN Site.
- B. Branch to SD-WAN Hub
- C. Branch to Main Office VPN
- D. Branch to Branch VPN

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 26**

A customer is migrating a branch site with a VMware SD-WAN Edge coexisting with the CE. The Edge will be connected to internet link directly while connecting to the CE via a Layer 3 LAN switch. MPLS underlay is the preferred path for communication from this site to branch sites that have no VMware SD-WAN Edges. Communication from this site to branch sites that have VMware SD-WAN Edges should go through overlay.

- A. Use BGP as the routing protocol on UK Edge and flag its BGP neighbor to the Layer 3 LAN switch as Uplink.
- B. Use BGP as the routing protocol on the Edge and filter prefixes from CE using Uplink Community
- C. Use BGP as the routing protocol on the Edge and flag its BGP neighbor to PE as Uplink.



D. Use BGP as the routine, protocol on the Edge and flag its BGP neighbor to GE as Uplink.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 27

What are three key benefits of VMware SD-WAN? (Choose three )

- A. Provision Edges in minutes
- B. Automated configuration of cloud resources
- C. Remove requirement of Edge devices
- D. Gain visibility across any link
- E. Layer 2 VPNs between sites
- F. Reduce the burden on MPLS

**Correct Answer:** BCF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 28

Which characteristic of Software Defined Networks (SDN) is also true for VMware SD-WAN

- A. VMware SD-WAN requires specialized hardware to run its software
- B. VMware SD -WAN provides distributed management and control plane
- C. VMware SU-WAN allows customers to program the forwarding plane
- D. VMware SD-WAN provides separation of management control plane, and the data plane.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 29

An enterprise has deployed a VMware SD-WAN solution with Edges in many different located to different Partner Gateways.

Which design makes it possible to have dynamic branch to branch VPN tunnels between any two Edges?

- A. Dedicated at least one Gateway as a Controller, and few initial data plane packets will travers the Controller before dynamic tunnel is established between the two branches.
- B. Add Controller role to each Partner Gateway.
- C. Configure each partner Gateway as a Controller.
- D. Dedicate at least one Gateway as a Controller, and no data plan packets will traverse the Controller before dynamic tunnel is established between the two branches.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 30

A customer is using hypervisor to install VMware Partner Gateways.

Which two hypervisors may be used? (Choose two.)

- A. Hyper-V
- B. Kubermetes
- C. XenServer
- D. KVM
- E. ESXi

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**