

VMware.5V0-42.21.by.Hana.38q

Number: 5V0-42.21
Passing Score: 800
Time Limit: 120
File Version: 4.0

Exam Code: 5V0-42.21
Exam Name: VMware SD-WAN Design and Deploy Skills



Exam A

QUESTION 1

Due to very strict security policies an enterprise customer is looking for an on-premises deployment of the VMware SD-WAN Orchestrator and Controllers. Customer data is not expected to flow through this Controller, however it is desirable that management plane traffic towards the Orchestrator coming from VMware SD-WAN Edges can take the overlay tunnels through this controls. What are some of the needed steps to achieve the requirements above?

- A. Under gateway configuration -> Configure the Gateway roles as Control Plane, disable Data Plane and enable management plane forward
- B. Under gateway configuration -> Configure the Gateway roles as Control Plane, disable Data Plane and add static host routes with NAT hand off settings porting to the Orchestrator IPs under Partner Gateway advanced hand off settings
- C. Under gateway configuration -> Configure the Gateway roles as Control-Plane, enable Data Plane and Partner Gateway role and add static host routes with NAT hand off settings pointing to the Orchestrator IPs under Partner Gateway advanced hand off settings
- D. Under gateway configuration -> Configure the Gateway roles as Control-Plane, enable Data Plane and Partner Gateway role and add a static default route with NAT hand off settings under Partner Gateway advanced hand off settings

Correct Answer: C

Section:

QUESTION 2

A network architect from a service provider is designing an architecture using a VMware SD-WAN Partner Gateway handoff. Which dynamic routing protocol should the engineering choose?

- A. RIP Version 2
- B. OSPF
- C. Static
- D. BGP

Correct Answer: A

Section:

QUESTION 3

A customer has a hybrid VMware SD-WAN deployment and wants to use the SD-WAN Service Reachable feature on the private WAN. What is the main dependency that must be met for the feature to work?

- A. Internet reachability via the private WAN
- B. Gateway IPs must be routed in the overlay
- C. Default route learned via dynamic routing
- D. Static route for gateway IPs on the edge

Correct Answer: C

Section:

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 the script from the console.

Correct Answer: B

Section:

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:

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:

QUESTION 7

Company a has recently acquired Company B, which has two remote office. 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 SU-WAN Site

Correct Answer: B

Section:

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:

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: B, C, F

Section:

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:

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:

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:

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:

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:

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:

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:

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: A, C, E

Section:

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:

QUESTION 19

A MSP partner needs to setup a Partner Gateway and configure the Handoff Interlace.

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, arid 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:



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:

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:

**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:

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:

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:

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:

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 routing protocol on the Edge and flag its BGP neighbor to GE as Uplink.

Correct Answer: C

Section:

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: B, C, F

Section:

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:

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:

QUESTION 30

A customer is using hypervisor to install VMware Partner Gateways.

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

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

Correct Answer: A, D

Section:

QUESTION 31

What Is a typical use case for the deployment of a VMware SU-WAN Partner Gateway?

- A. Provide connectivity between multiple enterprise customers over private circuits
- B. Get improved flow analytics for all traffic in the SD-WAN network
- C. Interconnect branches/remote sites of a single enterprise customer to the internet
- D. Provide multi-transport in a service provider backbone for interconnecting a global customer SDWAN branches.

Correct Answer: D

Section:

QUESTION 32

An administrator has been receiving complaints about their SaaS business collaboration apps. Which network service should the administrator use to resolve the issue?

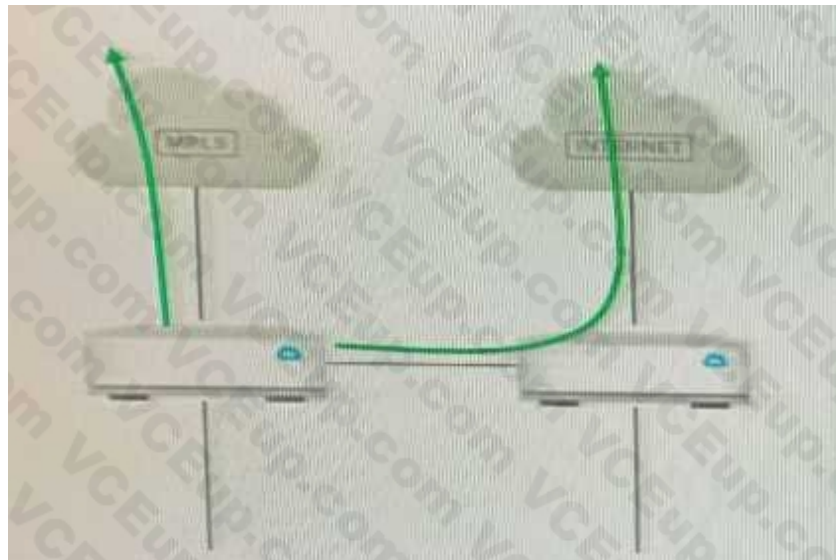
- A. Backhaul
- B. Multi-Path
- C. CoS mapping
- D. Direct

Correct Answer: D

Section:

QUESTION 33

Refer to the exhibit.



Which VMware SD-WAN Edge High Availability deployment is being used"?

- A. Enhanced HA
- B. Fault Domain HA
- C. VRRP HA
- D. Standard HA

Correct Answer: C

Section:

QUESTION 34



Which feature is required to prevent a split-brain condition for a branch in an Enhanced HA

- A. Split Brain Detection
- B. SD-WAN Service Reachable on the private overlay
- C. Cloud VPN
- D. VRRP

Correct Answer: B

Section:

QUESTION 35

Which port is used for communication between VMware SD-WAN Edge and Orchestrator if there are no tunnels established to the Gateways?

- A. UDP 2426
- B. TCP 80
- C. TCP 443
- D. UDP 500

Correct Answer: B

Section:

QUESTION 36

What is considered a typical VMware SD-WAN use case?

- A. Provide a distributed (per device) commands line interface (CLI) based configurations to implement complex network design integration options.
- B. Provide high speed layer 2 data center interconnects.
- C. Provide cloud delivered central management Orchestrator to implement complex design network integration options.
- D. Provide management, control plane, and data forwarding from a single system to reduce complexity for the network administrator.

Correct Answer: D

Section:

QUESTION 37

Which form factor can a customer use to deploy VMware SD WAN Edge?

- A. Oracle Virtual Box
- B. Open Virtualization Appliance
- C. Docker Container
- D. Hyper-V Virtual Machine

Correct Answer: B

Section:

QUESTION 38

A service provider assigns two Partner Gateways to a VMware SD-WAN Edge. Which description is correct about default route.

- A. A default route 0.0.0.0/0 can be configured as a static route and set to NAT only on the Gateway
- B. If default route 0.0.0.0/0 has been configured for both Gateways, internet traffic originated from the Edge can failover to the other Gateway in case of a Gateway failure.
- C. When handoff is turned off on a Partner Gateway, the Gateway does not advertise a default route 0.0.0.0/0 to the Edge.
- D. The service provider administrator decides whether the Partner Gateway advertises a default route 0.0.0.0/0 or not, although it is advertised by default.

Correct Answer: A

Section:

