

VMware SD-WAN Design and Deploy Skills

Exam Details (Last Updated: 01/09/2022)

The VMware SD-WAN Design and Deploy Skills exam (5V0-42.21) which leads to VMware SD-WAN Design and Deploy Skills certification is a 52-item exam, with a passing score of 300 using a scaled method. Exam time is 115 minutes.

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the [Pearson VUE website](#).

Certification Information

For details and a complete list of requirements and recommendations for attainment, please reference the [VMware Education Services – Certification website](#).

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has at least 12 months of experience with VeloCloud and strong IT, network, OS, and virtualization experience and/ or education. The successful candidate will likely hold additional industry-recognized IT certifications or accreditations. The MQC should have all the knowledge contained in the exam sections listed below.

Exam Sections

This exam contains the sections listed below. If a section is not tested in the exam you will see a note indicating there are no testable objectives for that section.

Section 1 - VMware SD-WAN by VeloCloud Architecture

Objective 1.1: Identify the benefits and key differentiators of VMware SD-WAN.

Objective 1.2: Identify use cases of VMware SD-WAN.

Objective 1.3: Identify how SDN relates to the VMware SD-WAN technology.

Objective 1.4: Identify the protocols and port numbers used in the communication between VMware SD-WAN components.

Objective 1.5: Identify the various modes of deployment for the VMware SD-WAN architecture.

Objective 1.6: Identify use cases when the Partner Gateway should be used.

Section 2 - VMware SD-WAN Design

Objective 2.1: Given a scenario, identify how to design SD-WAN to meet the customer's requirements.

Objective 2.2: Identify Edge HA options and operations.

Objective 2.3: Identify characteristics of clustering.

Objective 2.4: Given a Gateway deployment scenario, identify the design option that should be used.

Objective 2.5: Given an Edge deployment scenario, identify the design option that should be used.

Objective 2.6: Given a deployment scenario, identify the routing design options that should be used.

Objective 2.7: Identify the form factors for VMware SD-WAN in the SD-WAN architecture.

Objective 2.8: Given a scenario about sizing and scaling, identify aspects that should be considered.

Objective 2.9: Identify the functionality of the SD-WAN Gateway handoff implementation.

Objective 2.10: Given a customer scenario, identify which Partner Gateway redundancy should be chosen.

Section 3 - VeloCloud Key Components

Objective 3.1: Identify the key components of the VMware SD-WAN in the SD-WAN architecture.

Objective 3.2: Identify the roles of key components of the VMware SD-WAN in the SD-WAN architecture.

Objective 3.3: Identify the roles and assignments of VMware SD-WAN Gateways.

Objective 3.4: Identify how High Availability is configured in VMware SD-WAN architecture.

Section 4 - Gateway and Edge Deployment

Objective 4.1: Given a Gateway deployment scenario, identify the deployment steps.

Objective 4.2: Given an Edge deployment scenario, identify the deployment steps.

Section 5 - SD-WAN Component Management

Objective 5.1: Given a scenario about managing a Gateway, identify the required configuration that should be used.

Objective 5.2: Given a scenario about managing Edges, identify the required configuration that should be used.

Objective 5.3: Identify the user types, roles, and privileges.

Objective 5.4: Given an update scenario, identify the sequence of the upgrade components in the process.

Section 6 - Business Policies Creation and Management

Objective 6.1: Given an application, identify the criteria VMware SD-WAN uses to identify the application.

Objective 6.2: Given a business policies requirement scenario, identify how to direct internet traffic.

Objective 6.3: Given a business policies requirement scenario, identify which link steering method should be used.

Objective 6.4: Given an application, identify how on-demand remediation and link aggregation is applied.

Objective 6.5: Given a business policies requirement scenario, identify how to use the QoS overlay options that should be used.

Objective 6.6: Given a business policies requirement scenario, identify how to set up NAT.

Section 7 - CloudVPN and PKI

Objective 7.1: Given a scenario, identify the CloudVPN options and settings that should be used.

Objective 7.2: Identify the characteristics of the PKI implementation

Section 8 - Security

Objective 8.1: Given a scenario, identify the managing options that should be used for securing internet traffic using service chaining.

Objective 8.2: Given a scenario, identify when and how segmentation should be used.

Objective 8.3: Given a scenario, identify when and how to use the built in stateful firewall and/or VNF.

Recommended Courses

VMware VMware SD-WAN by VeloCloud: Design and Deploy

References

In addition to the recommended courses, item writers used the following references for information when writing exam questions. It is recommended that you study the reference content as you prepare to take the exam, in addition to the recommended training.

Name
https://mylearn.vmware.com/mgrReg/courses.cfm?ui=www_edu&a=one&id_subject=94721
https://docs.vmware.com/en/VMware-SD-WAN/4.0/VMware-SD-WAN-by-VeloCloud-Administration-Guide/GUID-6755D528-8D32-4DA2-9C60-9AC7D4337435.html
https://kb.vmware.com/s/article/2341023
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