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5V0-42.21 VMware SD-WAN Design and Deploy Skills

Exam Details

The VMware SD-WAN Design and Deploy Skills exam (5V0-42.21) which leads to VMware SD-WAN Design and Deploy 2022 badge 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.

Badge 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 part 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.

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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

(Required) a. VMware VMware SD-WAN by VeloCloud: Design and Deploy

References

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/

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