

VMWA-20 - VMWARE SD-WAN: DEPLOY AND MANAGE [V4.X]

Categoria: VMware

INFORMAZIONI SUL CORSO



Durata:
2 Giorni



Categoria:
VMware



Qualifica Istruttore:
VMware Certified
Instructor



Dedicato a:
Professionista IT



Produttore:
VMware

OBIETTIVI

By the end of the course, you should be able to meet the following objectives:

- Discuss the SD-WAN architecture and platform deployment model options
- Identify and describe the SD-WAN solution components
- Explain the interaction between the SD-WAN Edge, Orchestrator, and Gateway components
- Describe the SD-WAN Software-Defined Networking (SDN) approach, traffic, and network flows
- Explore SD-WAN core features and evaluate how these dramatically improve operational automation
- Use SD-WAN features to perform simple, agile, and secure SD-WAN operations
- Simplify branch infrastructure by inserting network services on the branch edge, in the cloud, or in the regional and enterprise data centers

PREREQUISITI

-Extensive knowledge of routing and switching is required.

You should also have the following understanding or knowledge:

- Good understanding of TCP/IP services and protocols
- Knowledge and working experience of computer networking, including:
 - Switching and routing technologies (L2-L3)
 - Network and application delivery services (L4-L7)
- Basic understanding of IaaS, SaaS, and public and private cloud

The VMware Certified Professional – Network Virtualization (2020) certification is recommended.

CONTENUTI

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to VMware SD-WAN Solution

- Revisit the traditional WAN technology, WAN topologies and downsides
- Explain the challenges solved by Secure Access Service Edge (SASE) and use cases
- List the components of the VMware SASE™ solution

-Describe the VMware SD-WAN solution and list its capabilities

3 VMware SD-WAN Components and Architecture

- Understand the architecture of the VMware SD-WAN solution and list all its components
- Explain the function of VMware SD-WAN Edges, Hub, Gateways, controllers, and Orchestrator
- Explain how the components of the VMware SD-WAN solution interact with each other

4 Using VMware SD-WAN Orchestrator

- Describe key attributes of the VMware SD-WAN Orchestrator
- List primary features of the VMware SD-WAN Orchestrator
- Navigate the main menus of the VMware SD-WAN Orchestrator portal

5 Deploy and Configure VMware SD-WAN

- Understand the deployment process of VMware SD-WAN components like VMware SD-WAN Edges, Hubs, Gateways, and more
- Understand the workflow of the VMware SD-WAN configuration
- List the optional network services that are supported by VMware and the steps to configure the same
- Understand the profiles and their application in the VMware SD-WAN infrastructure
- Describe the VMware SD-WAN Edge activation process

6 Path and Traffic Management

- List the routing options supported by VMware SD-WAN: Static, BGP, OSPF
- Understand the Dynamic Multipath Optimization (DMPO) feature and its advantages
- Explain the Quality of Service and its configuration to manage traffic

7 Securing VMware SD-WAN Environment

- Explain various options available to secure VMware SD-WAN environments.
- Understand the firewall capabilities and configuration

8 Monitoring, Maintenance, and Troubleshooting

- List and understand the various features available to monitor the VMware SD-WAN infrastructure
- List and understand the various options available to troubleshoot and investigate issues in VMware SD-WAN

INFO

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)