

# VMware SD-WAN for Service Providers V4.x

This three-day, hands-on training course provides you with the advanced knowledge, skills, and tools to achieve competency in operating and troubleshooting the VMware SD-WAN™ environment for service providers. In this course, you focus on deploying and managing VMware SD-WAN for a service provider. You learn about how VMware SD-WAN enables service providers to increase network agility and deliver advanced services to increase revenue and acquire and retain customers. In addition, you are presented with various types of technical problems, which you will identify, analyze, and solve through a systematic process.

## Kursinhalt

- Course Introduction
- VMware SD-WAN Installation for Service Providers
- VMware SD-WAN Monitoring and Maintenance
- VMware SD-WAN Security and Edge Licensing
- VMware SD-WAN Reporting and Diagnostics
- VMware SD-WAN Orchestrator and Gateway Troubleshooting

**E-Book** Sie erhalten englischsprachige Unterlagen von VMware als E-Book.

## Zielgruppe

- Service providers who are designing or using VMware SD-WAN solutions or managing SD-WAN networks for customers
- Service providers looking to deliver a managed hybrid WAN with MPLS service
- Service providers transforming their MPLS networks for direct access to cloud services and increased network agility

## Voraussetzungen

Before taking this course, you should have completed the following course:

- VMware SD-WAN: Deploy and Manage

You should also have the following understanding or knowledge:

- Good understanding of SD-WAN architectures
- Experience of operating Linux servers, especially Ubuntu
- Knowledge and working experience of computer networking
- Experience with routing and switching technologies
- Experience with security solutions, including VPN technologies

The VMware SD-WAN VTSP accreditation is recommended.

## Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.ch/go/VSWP](http://www.experteach.ch/go/VSWP)

## Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

## Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

## Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training		Preise zzgl. MwSt.	
<b>Termine in Deutschland</b>		<b>3 Tage</b>	<b>CHF 2.415,-</b>
<b>Online Training</b>		<b>3 Tage</b>	<b>CHF 2.415,-</b>
<b>Termin/Kursort</b>		Kursprache Deutsch 	
05.06.-07.06.24	Frankfurt	25.11.-27.11.24	Frankfurt
25.09.-27.09.24	Frankfurt		

Stand 26.04.2024



# Inhaltsverzeichnis

## VMware SD-WAN for Service Providers V4.x

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 VMware SD-WAN Installation for Service Providers

- Describe the current security challenges for distributed enterprises
- Describe VMware SASE solution for securing distributed enterprises
- Describe VMware deployment models for service providers
- Identify resource requirements for installing SD-WAN Orchestrator and Gateways
- Describe procedures to install and provision SD-WAN Orchestrator
- Identify the external service dependencies for SD-WAN Orchestrator
- Describe disaster recovery options and workflow for SD-WAN Orchestrator
- Describe the procedure to install SD-WAN Gateway
- Describe the procedure to install SD-WAN Gateway on ESXi hosts
- identify Data Plane Development Kit (DPDK) support for gateway performance
- Describe VMware SD-WAN Gateway deployment modes for service providers
- Configure a SD-WAN Gateway for a service provider
- Assign a SD-WAN Gateway for a service provider

### 3 VMware SD-WAN Monitoring and Maintenance

- Describe the SD-WAN Orchestrator system health monitoring features
- Describe the SD-WAN Orchestrator process, storage and, database monitoring features
- Describe the SD-WAN Orchestrator upgrade process
- Describe the SD-WAN Orchestrator backups and data archival processes
- Describe the SD-WAN Orchestrator process to expand database disks
- Describe third-party tools for monitoring SD-WAN Orchestrator
- Describe service orchestration tools for scaling SD-WAN Orchestrator
- Recognize the SD-WAN Orchestrator monitoring

strategies for business continuity

- Describe the SD-WAN Gateway system health monitoring, process, and capacity monitoring features
- Describe the SD-WAN Gateway additions and removals
- Describe the SD-WAN Gateway upgrade and validation process

### 4 VMware SD-WAN Security and Edge Licensing

- Describe the VMware SD-WAN PKI security infrastructure and authentication modes
- Describe the VMware SD-WAN certificate operations
- Describe the VMware SD-WAN PKI certificate authentication configuration
- Describe the VMware SD-WAN PKI configuration process
- Compare operator and partner logins
- Describe the VMware SD-WAN self-signed certificate authority process
- Describe the VMware SD-WAN certificate authority renewal and revocation
- Describe the VMware SD-WAN intermediate certificate authority
- Describe the VMware SD-WAN certificate chain of trust
- Describe the VMware SD-WAN Edge licensing and license types
- Assign and view the SD-WAN Edge licenses and reports

### 5 VMware SD-WAN Reporting and Diagnostics

- Describe the VMware SD-WAN network monitoring tools
- Describe the VMware SD-WAN network visibility options and controls
- Identify the VMware SD-WAN Orchestrator reporting features
- Describe and analyze VMware SD-WAN Orchestrator events
- View enterprise reports by operator, partner, and administrator
- View historical network insights and real-time reports on path visibility
- Describe common VMware SD-WAN alerts

- Describe VMware SD-WAN heart mechanism for alerts
- Configure VMware SD-WAN alerts
- Analyze common VMware SD-WAN alerts
- Use standard networking tools for monitoring VMware SD-WAN
- Describe remote diagnostic actions available on VMware SD-WAN Orchestrator
- Use the remote diagnostics tools on VMware SD-WAN Orchestrator
- Generate remote diagnostics bundles and packet captures

### 6 VMware SD-WAN Orchestrator and Gateway Troubleshooting

- Recognize the basic sanity checks to troubleshoot the SD-WAN Orchestrator
- Create diagnostic bundles to enable support to troubleshoot the SD-WAN Orchestrator
- Recognize the basic sanity checks to troubleshoot the SD-WAN Orchestrator
- Troubleshoot common SD-WAN Orchestrator performance issues
- Describe the tools available to troubleshoot the SD-WAN Gateway
- Analyze sample outputs for debugging an SD-WAN Gateway issue
- Use Data Plane Development Kit (DPDK) to improve SD-WAN Gateway performance

