

VMware SD-WAN for Service Providers V4.x

This three-day, hands-on course provides you with the advanced knowledge, skills and tools you need to competently operate and troubleshoot the VMware SD-WAN™ environment for Service Providers. In this course, you will focus on deploying and managing VMware SD-WAN for a service provider. You will learn how service providers can use VMware SD-WAN to increase their network flexibility and deliver advanced services to increase revenue and attract and retain customers. In addition, you will be confronted with different types of technical problems that you will identify, analyze and solve through a systematic process.

Course Contents

- 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 You will receive the documentation of VMware in English language as an e-book.

Target Group

- Service providers who develop or use VMware SD-WAN solutions or manage SD-WAN networks for customers
- Service providers who want to deploy a managed hybrid WAN with MPLS service
- Service providers redesigning their MPLS networks for direct access to cloud services and greater network flexibility

Prerequisites

Before attending this course, you should have completed the following course:
- VMware SD-WAN: Deploy and Manage

In addition, you should have the following knowledge:

- Good understanding of SD-WAN architectures
- Experience with the operation of Linux servers, especially Ubuntu
- Knowledge and work experience in the field of computer networks
- Experience with routing and switching technologiesExperience with security solutions, including VPN technologies

VMware SD-WAN VTSP accreditation is recommended

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/VSWP

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	3 Days	€ 2,195
Online Training	3 Days	€ 2,195
Dates upon request		

Status 05/07/2025



Table of Contents

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

