

# VMware NSX Advanced Load Balancer: Troubleshooting and Operations



## VMware NSX Advanced Load Balancer: Troubleshooting and Operations

This 3-day, hands-on training course provides you with the advanced knowledge, skills, and tools to achieve competence in operating and troubleshooting the VMware NSX® Advanced Load Balancer™ (Avi) solutions. In this course, you are introduced to several operational, management, and troubleshooting tools. You will be presented with various types of technical problems, which you will identify, analyze, and solve through a systematic process.

### Kursinhalt

- Course Introduction
- Introduction to NSX Advanced Load Balancer
- Events and Alerts
- Introduction to NSX Advanced Load Balancer Troubleshooting
- Infrastructure Troubleshooting
- Troubleshooting NSX Advanced Load Balancer Service Engines and Advanced Troubleshooting
- Monitoring NSX Advanced Load Balancer

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

### Zielgruppe

- Experienced system administrators or network administrators
- Network professionals who have experience working with VMware NSX Advanced Load Balancer (Avi) and are responsible for troubleshooting and operating Application Delivery Controllers solutions

### Voraussetzungen

This class requires completion of the following courses:  
VMware NSX Advanced Load Balancer: Install, Configure, Manage

### Kursziel

Certifications  
VMware Certified Professional - Network Virtualization 2022

### Dieser Kurs im Web



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

### 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.
Termine in der Schweiz	3 Tage
Online Training	3 Tage CHF 2.415,-
Termine auf Anfrage	

Stand 26.04.2024



# Inhaltsverzeichnis

## VMware NSX Advanced Load Balancer: Troubleshooting and Operations

### 1 Course Introduction

Introductions and course logistics  
Course objectives

### 2 Introduction to NSX Advanced Load Balancer

Introduce NSX Advanced Load Balancer  
Discuss NSX Advanced Load Balancer use cases and benefits  
Explain NSX Advanced Load Balancer architecture and components  
Explain the management, control, data, and consumption planes and functions

### 3 Events and Alerts

Describe NSX Advanced Load Balancer Events  
Describe and configure NSX Advanced Load Balancer Alerts  
Describe NSX Advanced Load Balancer monitoring capabilities leveraging SNMP, Syslog, and email

### 4 Introduction to NSX Advanced Load Balancer Troubleshooting

Explain NSX Advanced Load Balancer troubleshooting concepts  
Describe and leverage Virtual Service Traffic Logs  
Describe and leverage Virtual Service Security Insights  
Understand and utilize Health Score concepts  
Explain and leverage application metrics and analytics  
Explain and leverage packet capture and CLI utilities for application troubleshooting  
Leverage UI, CLI, and useful log files to perform control plane troubleshooting

### 5 Infrastructure Troubleshooting

Describe and perform general VMware Cloud Connector troubleshooting  
Describe and analyze VMware Cloud Connector state  
Leverage case studies to troubleshoot VMware Cloud Connector  
Describe and troubleshoot NSX-T Cloud Connector integration  
Leverage case studies to troubleshoot NSX-T Cloud Connector  
Describe and troubleshoot Linux Server Cloud Connector integration  
Describe and troubleshoot OpenStack Cloud

Connector integration  
Leverage case studies to troubleshoot OpenStack Cloud Connector  
Describe and troubleshoot AWS and Azure Cloud Connector integrations

### 6 Troubleshooting NSX Advanced Load Balancer Service Engines and Advanced Troubleshooting

Explain general Service Engine infrastructure  
Explain and leverage analytics, health score, and metrics for Service Engine troubleshooting  
Explain and leverage Events and Alerts for Service Engine troubleshooting  
Leverage CLI for accessing Service Engine  
Analyze Service Engine logs offline with Tech Support utility and collecting core dumps  
Leverage CLI and useful log files for Service Engine Data Plane troubleshooting  
Leverage CLI to capture packets for advanced datapath analysis

### 7 Monitoring NSX Advanced Load Balancer

Explain and configure SNMP-based monitoring  
Explain and configure REST API-based monitoring  
Describe and leverage 3rd-party integration with monitoring tools like Splunk  
Leverage 3rd-party REST API monitoring extensions like Prometheus  
Describe and leverage VMware integrations like VMware vRealize® Network Insight™ for monitoring

