



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware NSX Advanced Load Balancer: Install, Configure, Manage [V21.x]

CODE:	LÄNGE:	PREIS:
VMW_NSXALBICM21	40 Hours (5 Tage)	€3,440.00

Description

This five-day, fast-paced course provides comprehensive training to install, configure, and manage a VMware NSX Advanced Load Balancer (Avi Networks) solution. This course covers key NSX Advanced Load Balancer (Avi Networks) features and functionality offered in the NSX Advanced Load Balancer 21.x release. Features include the overall infrastructure, virtual services, application components, global server load balancing, various cloud connectors, application troubleshooting, and solution monitoring. Hands-on labs provide access to a software-defined data center environment to reinforce the skills and concepts presented in the course.

Lernziel

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

- Describe the NSX Advanced Load Balancer architecture
- Describe the NSX Advanced Load Balancer components and main functions
- Explain the NSX Advanced Load Balancer key features and benefits
- Deploy and configure the NSX Advanced Load Balancer infrastructure within private or public clouds using Write and No Access Cloud Connectors
- Explain, deploy, and configure Service Engines
- Explain and configure local load balancing constructs such as virtual services, pools, health monitors, and related components
- Explain and configure advanced virtual services and related concepts such as Subject Name Indication, Enhanced Virtual Hosting, and authentication of virtual services
- Explain and modify application behavior through profiles, policies, and DataScripts
- Describe Central licensing management using VMware NSX Advanced Load Balancer Enterprise with Cloud services (formerly Avi Pulse)
- Explain how to configure Role-Based Access Control (RBAC) in NSX Advanced Load Balancer (Avi)
- Configure advanced services such as global server load balancing
- Describe how to use NSX Advanced Load Balancer REST API interfaces and related automation capabilities
- Describe and configure NSX Advanced Load Balancer application and infrastructure monitoring
- Gather relevant information and perform basic troubleshooting of applications that use built-in NSX Advanced Load Balancer tooling
- Identify the key features of NSX Network Detection and Response

Zielgruppe

Experienced system administrators and network administrators

Inhalt

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 - Introduction 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 their respective functions
- 3 Virtual Services Configuration Concepts
 - Explain Virtual Service components
 - Explain Virtual Service types

- Explain and configure basic Virtual Service components such as Application Profiles and Network Profiles
- 4 Virtual Services Configuration Advanced Concepts
 - Explain Virtual Service Advanced components such as Wildcard VIP, Server Name Identification (SNI), and Enhanced Virtual Hosting (EVH)
 - Explain the concept of Virtual Service VIP Sharing
 - Explain different authentication mechanisms used for a Virtual Service such as LDAP, SAML, JSON Web Token, and OAUTH
- 5 Profiles and Policies
 - Explain Application Profiles and types such as L4, DNS, Syslog, HTTP, and Horizon VDI
 - Explain and configure advanced application HTTP profile options
 - Describe Network Profiles and types
 - Explain and configure SSL profiles and Certificates
 - Explain and configure HTTP, network, and DNS policies
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 - Explain Pools configuration options
 - Describe the available load balancing algorithms
 - Explain multiple Health monitor types
 - Explain multiple Persistence profiles
 - Explain and configure Pool groups
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 - Design and apply application solutions by using application profiles
 - Design and apply application solutions by using Network, HTTP Policies, and DataScripts
 - Explain DataScript fundamentals
 - Explain and use NSX Advanced Load Balancer analytics to understand application behavior
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 - Describe and configure Virtual Service DDoS, Rate limiting, and Throttling capabilities
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 - Explain Service Engine Group High Availability Modes
 - Describe and configure Active-Standby High Availability Mode
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 - Describe and configure Elastic HA High Availability Mode (Active/Active, N+M)
 - Explain Service Engine Failure Detection and SelfHealing
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- Describe NSX Advanced Load Balancer Public Cloud integrations
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 - Review, discuss, and explain DNS fundamentals
 - Describe NSX Advanced Load Balancer DNS and IPAM providers
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 - Introduce VMware integration options
 - Explain and configure VMware Write Access Cloud Connector
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 - Explain and configure NSX Cloud Connector for Overlay and VLAN-backed segments

Kurstermine

Auf Anfrage. Bitte [kontaktieren Sie uns](#)

Zusätzliche Information

[Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.](#)