



VMware NSX Advanced Load Balancer: Install Configure Manage

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This five-day, fast-paced course provides comprehensive training on how 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 18.2 release. The features covered include the overall infrastructure, virtual services and application components, global server load balancing, various cloud connectors. Also covered are application troubleshooting and solution monitoring. Access to a software-defined data center environment is provided through hands-on labs to reinforce the skills and concepts presented in the course.

Course Contents

- Course Introduction
- Introduction to NSX Advanced Load Balancer
- Virtual Services Configuration Concepts
- Virtual Services Configuration Advanced Concepts
- Profiles and Policies
- Pools Configuration Concepts
- Modifying Application Behavior
- NSX Advanced Load Balancer Infrastructure Architecture
- Introduction to Cloud Connector
- Installing, Configuring, and Managing NSX Advanced Load Balancer in No-Access Cloud
- Installing, Configuring, and Managing NSX Advanced Load Balancer in VMware Environment: Cloud Configuration
- AWS Cloud Configuration
- GCP Cloud Configuration
- Azure Cloud Configuration
- NSX Advanced Load Balancer Enterprise with Cloud Services (Avi Pulse)
- DNS Foundations
- Global Server Load Balancing (GSLB)
- Role-Based Access Control (RBAC)
- NSX Advanced Load Balancer: Troubleshooting
- Events and Alerts
- Introduction to NSX Advanced Load Balancer Rest API

Participants will receive English-language documents from Broadcom to download as a pdf in the course.

Target Group

Experienced system administrators or network administrators

This Course in the Web



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

www.experteach-training.com/go/VLBI

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 | 5 Days | € 3,995 | |
| Online Training | 5 Days | € 3,995 | |
| Date/course venue | Course language | German | |
| 02/06-06/06/25 | 27/10-31/10/25 | | |
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- 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, Network Profiles,

Pools, and Health Monitors

4 Profiles and Policies

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- Explain and deep dive on Application Profiles and Types such as L4, DNS, Syslog, and HTTP

- Explain and configure advanced application HTTP Profile options

- Deep dive on Network Profiles and Types

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- Explain and Configure HTTP and DNS policies

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- Explain and deep dive on Pools configuration options

- Describe available Load Balancing algorithms

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- Explain multiple Persistence Profiles

- Explain and configure Pool Groups

6 Modifying Application Behavior

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- Design and apply application solutions leveraging Network and HTTP Policies and DataScripts

- Explain DataScript fundamentals

- Explain and leverage NSX Advanced Load Balancer analytics to understand application behavior

- Describe and configure Client SSL Certificate Validation

- Describe and configure Virtual Service DDoS, Rate Limiting, and Throttling capabilities

- Modify Network Profiles properties such as TCP connection properties

- Design and apply application solutions leveraging Persistence Profiles

7 NSX Advanced Load Balancer Infrastructure Architecture

- Deep dive on the management, control, data, and consumption planes and functions

- Describe Control Plane Clustering and High Availability

- Describe Controller Process Sharding

- Describe Controller Sizing

- Describe Service Engine CPU and NIC Architecture

- Explain Tenants

- Deep dive and configure properties of Service Engine Groups

- Explain Service Engine Group High Availability Modes

- Describe and configure Active/Standby High Availability Mode

- Describe and configure Elastic HA High Availability Mode (Active/Active, N+M)

- Explain Service Engine Failure Detection and Self-Healing

- Describe Service Engine as a Router

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- Explain and interact with REST API interface, leveraging browser and command line utility

- Explain Swagger-based API documentation

- Review 3rd-party automation integrations



ExperTeach Benelux B.V.

Ceresstraat 1 · 4811 CA Breda · Phone: +49 6074 4868-0 · Fax: +49 6074 4868-109 · info@experteach.de · www.experteach-training.com