

# VMware NSX Advanced Load Balancer: Install, Configure, Manage [V20.X] Course

**Course Duration: 40 Hours**

**Course Code: VM-NSXALBICM20**

## 1. Course Overview

The *VMware NSX Advanced Load Balancer: Install, Configure, Manage [V20.X]* course equips participants with the knowledge and skills to deploy, configure, and manage the VMware NSX Advanced Load Balancer (Avi Networks) solution. This hands-on training focuses on load balancing, application delivery services, global server load balancing, and troubleshooting. Participants will gain practical expertise in delivering high availability, scalability, and security for applications across multi-cloud environments.

## 2. What You'll Learn?

By the end of this course, you will be able to:

- Understand the architecture and key features of VMware NSX Advanced Load Balancer.
- Install and configure the NSX Advanced Load Balancer platform.
- Deploy and manage virtual services and service engines.
- Configure application profiles, analytics, and health monitoring.
- Implement global server load balancing (GSLB).
- Integrate NSX Advanced Load Balancer with VMware NSX-T Data Center.
- Monitor, scale, and troubleshoot load balancing services.

### 3. Target Audience

This course is ideal for:

- Experienced system administrators.
- Network administrators and engineers.
- Cloud administrators.
- Professionals responsible for load balancing and application delivery.

### 4. Pre-Requisites

Before attending this course, participants should have:

- Knowledge of TCP/IP services and protocols.
- Understanding of network security, load balancing, and firewall concepts.
- Experience with VMware vSphere and VMware NSX-T Data Center is recommended.

### 5. Course Content

#### **Module 1: Course Introduction**

- Course objectives and outline

#### **Module 2: Introduction to VMware NSX Advanced Load Balancer**

- Overview of architecture, components, and features

#### **Module 3: Installation and Deployment**

- Deploying Controllers and Service Engines
- Initial setup and configuration

#### **Module 4: Virtual Services and Profiles**

- Configuring virtual services

- Application profiles and policies
- Health monitors and analytics

### **Module 5: Global Server Load Balancing (GSLB)**

- GSLB concepts and configuration
- Multi-site deployments

### **Module 6: Integration with VMware NSX-T Data Center**

- Architecture integration
- Use cases and deployment considerations

### **Module 7: Operations and Troubleshooting**

- Monitoring, logging, and reporting
- Troubleshooting load balancer services

### **Module 8: Advanced Features and Use Cases**

- Security and SSL offloading
- Autoscaling applications
- REST APIs and automation