Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

Detalles de contacto

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VMware NSX Advanced Load Balancer: Install, Configure, Manage [V20.x]

CÓDIGO:	DURACIÓN:	Precio:
VMW_NSXALBICM20	40 Hours (5 días)	A consultar

Description

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 20.x 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.

Objetivos

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

- Describe 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 NSX Advanced Load Balancer infrastructure within Private or Public Clouds leveraging Write and No Access Cloud Connectors
- Explain, deploy, and configure Service Engines
- Explain and configure Local Load Balancing constructors such as Virtual Services, Pools, Health Monitors, and related components
- Understand and modify application behavior leveraging Profiles, Policies, and DataScripts
- Configure advanced services such as Global Server Load Balancing
- Describe and leverage 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 leveraging built-in NSX Advanced Load Balancer tooling

Público

Experienced system administrators and network administrators

Programa

1 Course Introduction

- Introduction and course logistics
- Course objectives

2 Introduction to NSX Advanced Load Balancer

- Introduction to NSX Advanced Load Balancer (Avi)
- NSX Advanced Load Balancer (Avi) Architecture and Components
- NSX Advanced Load Balancer (Avi) Controller
- NSX Advanced Load Balancer (Avi) Service Engine
- NSX Advanced Load Balancer (Avi) Common Terminologies
- NSX Advanced Load Balancer (Avi) Service Elements
- NSX Advanced Load Balancer (Avi) Clouds
- Overview of Tenants

- NSX Advanced Load Balancer (Avi) Logs
- NSX Advanced Load Balancer (Avi) Service Health

3 Virtual Services Configuration Concepts

- Virtual Services Configuration Concepts
- Understanding Virtual Services
- Virtual Service Creation

4 Profiles and Policies

- Overview of Profiles
- Configuring and Using Profiles
- TCP/UDP Profiles
- Application Profiles
- SSL Profile and Certificate Overview
- SSL Re-Encryption
- Acceleration Technologies
- HTTP Compression
- HTTP Caching
- Connection Multiplexing
- Policies Overview

5 Pools Configuration Concepts

- Pools Overview
- Pools Configuration
- Pool Groups

6 Modifying Application Behavior

- Controlling Traffic with NSX Advanced Load Balancer
- L7 Traffic Manipulation
- L4 Traffic Manipulation
- Customizing Application Delivery with DataScripts
- Getting Started with DataScripts
- DataScripts Constructs
- Using DataScripts Examples

7 NSX Advanced Load Balancer Infrastructure Architecture

- Architecture Overview
- Control Plane
- Data Plane
- Tenants Overview
- Service Engine Group Settings
- High Availability Modes
- Service Engine Failure and Self-Healing
- Service Engine Groups: Networks and Routing
- Service Engine As a Router
- Scale-Out Mechanisms: L2 Versus L3
- Upgrade 2.0

8 Introduction to Cloud Connector

- Cloud Connector

9 Install, Configure and Manage NSX Advanced Load Balancer in No-Access Cloud

- Cloud Configuration
- No-Access Service Engines
- Linux Server Cloud
- VMware No-Access
- Advanced Features

10 Install, Configure and Manage NSX Advanced Load Balancer in VMware Environment: Cloud Configuration

- Overview of vSphere
- VMware Write Cloud
- Deployment Prerequisites
- Deployment

- Configuring the Service Engine Group
- Networks
- Placement
- NSX Data Center for vSphere SDN Integration: Cloud Configuration
- NSX-T Data Center Integration: Cloud Configuration
- VMware Cloud Connector Options Summary: Cloud Configuration

11 AWS Cloud Configuration

- AWS Cloud Configuration

12 NSX Advanced Load Balancer: Troubleshooting

- Data Plane Versus Control Plane Troubleshooting
- Data Plane Troubleshooting Overview
- Control Plane Troubleshooting Overview

13 Introduction to AVI Rest API

- Avi API Overview
- Accessing Avi REST API
- Swagger-Based API Documentation
- SDK at a Glance

Más información

Course Delivery Options

- Classroom
- Live Online
- Private Training

Product Alignment

- NSX Advanced Load Balancer 20.x

Fechas Programadas

A petición. Gracias por contactarnos.

Información Adicional

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.