

VMware NSX Advanced Load Balancer: Troubleshooting and Operations

Varighed: 3 Days **Kursus Kode: VMNSXALBTO** **Version: V20.x** **Leveringsmetode: Company event (Firmakursus)**

Beskrivelse:

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.

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

Målgruppe:

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

Agenda:

- By the end of the course, you should be able to meet the following objectives:
- Become familiar with NSX Advanced Load Balancer (Avi) troubleshooting tools and steps to solve the problems.
- Establish and apply a structured troubleshooting approach and methodology
- Understand built-in mechanisms available for NSX Advanced Load Balancer (Avi) monitoring
- Identify, analyze, and troubleshoot problems related to the NSX Advanced Load Balancer infrastructure, including control and data plane components
- Identify, analyze, and troubleshoot problems related to application components such as Virtual Services, Pools, and related components

Forudsætninger:

- VMNSXALBICM - VMware NSX Advanced Load Balancer: Install, Configure, Manage

Test og certificering

VMware Certified Professional - Network Virtualization 2022

Indhold:

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

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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