

TOC: VMware NSX Advanced Load Balancer: Global Server Load Balancing Design and Deploy

Course Introduction

- Introductions and course logistics
- Course objectives

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

Virtual Services Configuration Concepts

- Explain Virtual Service components
- Explain Virtual Service types
- Explain and configure basic virtual services components such as Application Profiles, Network Profiles, Pools and Health Monitors

DNS Foundations

- Review, discuss and explain DNS fundamentals
- Describe NSX Advanced Load Balancer DNS and IPAM providers

Global Server Load Balancing

- Introduce Global Server Load Balancing concepts and benefits
- Explain and configure NSX Advanced Load Balancer infrastructure
- Explain and configure DNS Virtual Service components
- Explain and configure GSLB Service Engine Group
- Describe and configure GSLB Sites
- Explain and configure basic GSLB Services, to include pools and health monitors
- Describe GSLB Service Load Balancing algorithms
- Explain and configure Data and Control Plane-based Health Monitors
- Describe GSLB Health Monitor Proxy

Global Server Load Balancing Advanced Topics

- Explain and configure advanced GSLB service properties such as different type of pool members, Host Header and TLS SNI extensions handling within GSLB Health Monitors
- Describe EDNS Client Subnet
- Describe Geo-aware Global Server Load Balancing
- Design and configure Geo-aware Global Server Load Balancing
- Describe and leverage DNS Policies to customize client experience
- Explain and configure Topology-aware Global Server Load Balancing
- Explain and configure GSLB 3rd party sites
- Describe GSLB Health Monitor sharding

- Describe GSLB Service Engine sizing implications

Troubleshooting NSX Advanced Load Balancer GSLB Solution

- Introduce Infrastructure and Application troubleshooting Concepts
- Describe Control Plane and Data Plane-based troubleshooting
- Describe GSLB Infrastructure troubleshooting
- Describe GSLB Services troubleshooting
- Explain Health Monitors troubleshooting
- Describe Geo-aware and Topology-based GSLB Services troubleshooting
- Explain Application Analytics and Logs
- Describe Client Logs analysis
- Leverage CLI for advanced data plane troubleshooting

Monitoring NSX Advanced Load Balancer Solution

- 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