

## **Module 1: Course Introduction**

- Introductions and course logistics
- Course objectives

## **Module 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

## **Module 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

## **Module 4: Introduction to NSX Advanced Load Balancer Troubleshooting**

- Explain NSX Advanced Load Balancer troubleshooting concepts
- Describe and leverage Application Logs
- Describe and leverage Application Analytics and Security Insights
- Understand and utilize Health Score concepts
- Explain and leverage metrics
- Explain and leverage packet capture and command line utilities
- Describe and leverage UI and CLI utilities to perform Control Plane troubleshooting

## **Module 5: Cloud Connector Infrastructure Troubleshooting**

- Describe and perform general Cloud Connector troubleshooting
- Describe and analyze VMware Cloud Connector state
- Leverage case studies to troubleshoot VMware Cloud Connector
- Describe and troubleshoot VMware NSX Cloud Connector integration
- 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

## **Module 6: Data Plane Infrastructure 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 Service Engine troubleshooting

- Analyze Service Engine with Tech Support utility
- Leverage CLI for advanced Datapath analysis

#### **Module 7: Monitoring NSX Advanced Load Balancer**

- Explain and configure SNMP-based monitoring
- Explain and configure REST API-based monitoring
- Describe and leverage 3rd-party REST API monitoring extensions (Grafana, Prometheus)