



Arista Cloud Engineer Level 1 - Cloud Novice (ACE: L1)

COURSE OVERVIEW

ACE: L1 is a 5-day course providing foundational networking knowledge and skills from a modern perspective in Arista's EOS networking environment. Candidates progress through networking fundamental topics ranging from Ethernet, TCP/IP, and Routing & Switching to network design, based on modern Leaf-Spine architecture used in today's Enterprise Data Center and Campus networks. Candidates are also introduced to network automation with Arista's CloudVision solution.

WHO WILL BENEFIT FROM THIS COURSE?

ACE: L1 is best suited for individuals entering the network engineering field and looking to acquire the essential knowledge and skills applied to modern network infrastructure.

WHAT YOU WILL GET FROM THIS COURSE

Foundational networking knowledge and skills from a modern perspective in Arista's EOS networking environment.

COURSE OUTLINE

Network Engineering Fundamentals

- Open System Interconnect Model
- Ethernet, IPv4, TCP & UDP
- Hosts, Endpoints, Clients
- Modern Connectivity

Working with Arista EOS

- Design Principles, Software Architecture, Hardware, Resources
- Boot-up Operations
- EOS Images
- Zero Touch Provisioning (ZTP)
- Command Line Interface (CLI)
- ARP & DHCP
- Intro to IPv6
- First Hop Redundancy Protocols

Layer 2 Operations

- L2 Switching
- L2 Redundancy
- VLANs and PVST
- Interface Configuration
- STP Configuration & Enhancements
- Multiple Spanning Tree (MST)
- Link Aggregation
- MLAG



Layer 3 Operations

- Routing Fundamentals
- Layer 3 Redundancy
- Terminology
- Configuring OSPF
- VRF & VPN
- Internet
- Wide Area Network (WAN)

Leaf-Spine DC Architectures

- Data Center & Cloud
- Traditional Data Center Architecture
- Move to Leaf Spine Architecture
- Virtualized eXtensible LAN (VXLAN)
- VXLAN Data Plane Operations

Campus Architectures

- WiFi Fundamentals
- WiFi Design
- Campus Architecture

CloudVision

- Automation Landscape
- CloudVision Deployment Options
- CloudVision Portal Communication
- Zero Touch Provisioning
- Deployment
- BugAlerts EOL Lifecycle
- Configlets
- Tasks and Change Control
- Snapshots
- Rollback
- Image Management
- Devices, Labels, and Tags
- CloudVision Telemetry

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

Interested in Private Group Training?

[Contact Us](#)