

Arista Cloud Engineer Level 4 – Cloud Professional (ACE: L4)

COURSE OVERVIEW

The 5-day ACE Level 4 course is focused on the Enterprise edge: Service Provider WAN, Large Enterprise Transport networks, and Data Center Interconnect (DCI) architectures. Engineers will explore the advanced routing capabilities available within Arista hardware and EOS. Topics such as leveraging EVPN, MPLS, and Segment Routing will be discussed in depth. All topics are taught from both CLI and CloudVision perspectives, including provisioning, managing, troubleshooting, and optimizing.

WHO WILL BENEFIT FROM THIS COURSE?

The ACE Level 4 course is best suited for individuals with more than 5 years of experience in the Network Engineering Field and are comfortable with routing protocols. Mid-to-senior level Network Engineers and Operations staff will find the skills most often searched for by corporations for these positions. Those individuals holding current or expired Professional certifications in other vendor programs will find a refreshed and updated approach. ACE:L4 focuses on the features and skills needed in advanced networks. You will not waste energy learning outdated technologies, approaches or tasks no longer used in open networks.

COURSE OUTLINE

Module 1: CloudVision

- Intro to CloudVision
- Configlet and Container Plan
- Installation and Initial Switch Behavior
- Change Control, Snapshots, and Rollbacks
- Day 2 Operations
- CVP Studios

Module 2: MPLS – Why Use It?

- Label Switching
- Scalability
- Multi-Tenancy
- Traffic Engineering – Fast ReRoute (TE – FRR)
- Migration Considerations
- Greenfield Considerations
- DCI

Module 3: Service Architectures

- Architecture Overview
- L2 EVPN
- L3 EVPN



Module 4: Transport Models

- Control/Data Planes Overview
- MPLS Transport Model
- Routing Protocol Choices
- Segment Routing (SR)
- Traffic Engineering (TE)

Module 5: Services Deep Dive

- EVPN MP-BGP Control Plane
- Address Family Comparisons
- VPN Services
- L2VPN
- L3VPN

Module 6: Transport and Services Optimization

- Next-Hop Groups
- User Defined Tunnel RIBs
- Static Flow Aware Transport on EVPN
- Traffic Steering and Service Mapping

ACE:L4 includes numerous hands-on labs. At the time of purchase, you will have numerous options for lab time with both the instructor-led and self-study packages. Most packages include 3-weeks of lab time. For the instructor-led courses, this includes the week of the course as well as two additional weeks to work on labs on your own. Every engineer is given their own dedicated environment and will not be required to share with others. The labs are built on the latest released vEOS and CloudVision codes and deployed in an AWS environment. This allows you to connect from anywhere and anytime. This is actual code and not simulators.

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](#)