



Arista Cloud Engineer

Level 5 – Cloud Automation



ACE:L5 Data Sheet
v2021.1



Course Duration: 5 days

Topics At-a-Glance:

- Automation and NetOps Drivers
- Tools and Languages
- APIs
- CloudVision Automation
- Backups and Upgrades
- Configlet Builder with Python
- Automating L2 and L3 Leaf Spine Configurations
- Playbooks
- Configuration Templates with Jinja
- Leveraging Arista eAPI



Course Objectives

The ACE Level 5 course is designed to give modern network engineers, architects and operations staff the needed skills to automate an Arista infrastructure. The focus of the course is mid-level programmability leveraging Ansible, Python and other commonly used automation languages. Advanced CloudVision capabilities will be explored to give the engineer a comprehensive set of tools and strategies to automate any Arista environment. This course is an extensive hands-on workshop format.

Target Audience

The ACE Level 5 course is best suited for individuals with more than 5 years of experience in the Network Engineering field. Prior exposure to the basics of Python, Ansible and CloudVision are needed as this is not a beginner level course. 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:L5 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 You will not waste energy learning outdated technologies, approaches or tasks no longer used in open networks.

Official Training & Exams

Only Arista Official Training will count towards exams. Proof of Purchase is required to register for exams. Instructor-led and Self-study options are available through Official Arista Training Partners. Look for these badges prior to purchasing your training.



Course Outline

Module 1: Automation and NetOps

- Technical and Business Drivers for Automation
- Tools of Automation
- APIs
- Structured Data
- Version Control

Module 2: CloudVision Automation

- CVP Refresher
- Backups and Upgrades
- Configlets
- Day 2 Ops with Telemetry

Module 3: Configlet Builder with Python

- Python Basics
- Configlet Builder

Module 4: Automating the Leaf-Spine with Ansible

- Ansible Basics
- Inventory Files
- Playbooks
- Configuration Templates with Jinja

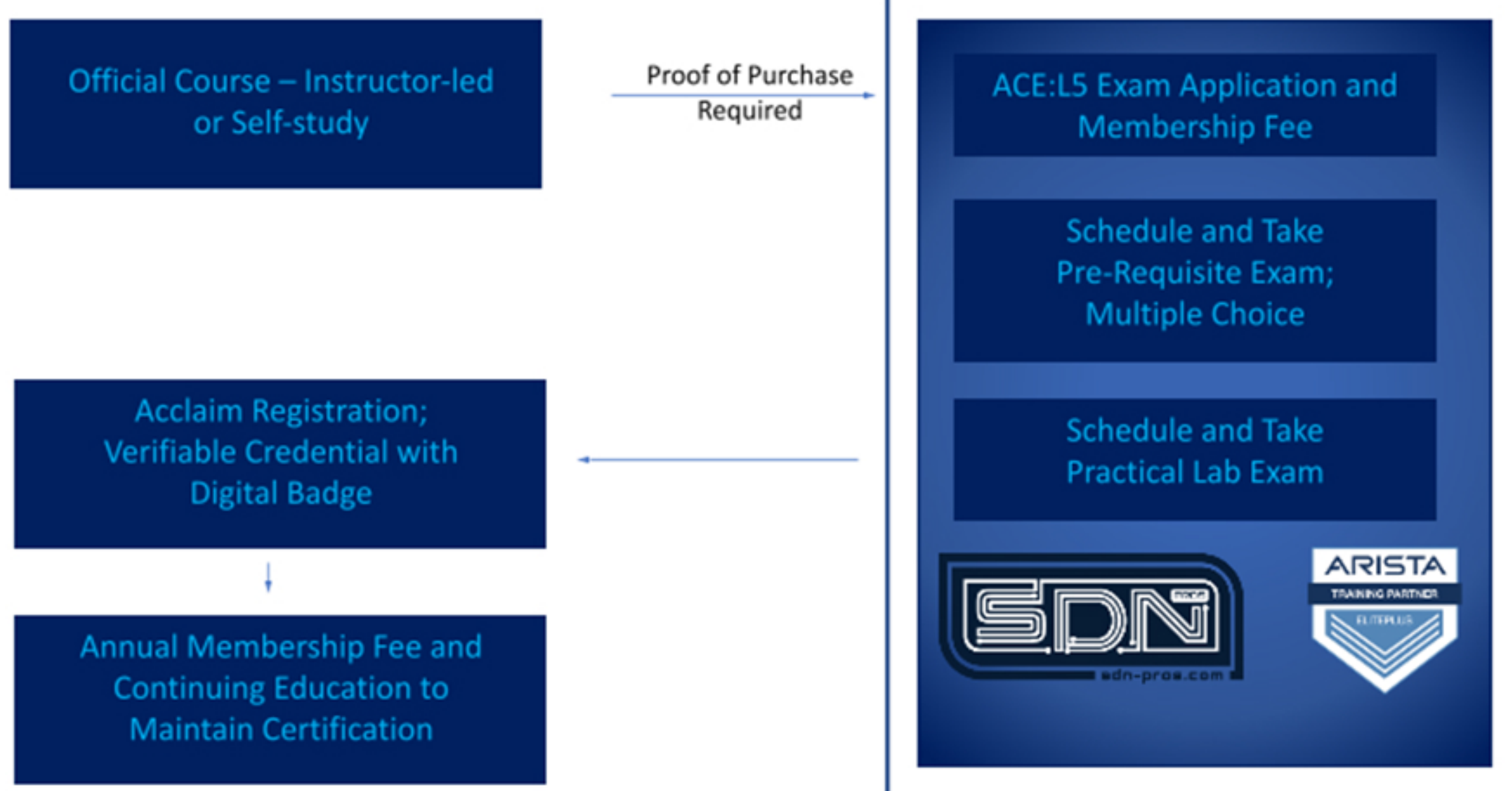
Appendix: PyeAPI

- Library
- Modules
- Documentation

Course Labs

ACE:L5 includes numerous hands-on labs. At 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

Exam Requirements



Follow-on Courses / Certifications

ACE : L6



Product Specialties



CloudVision

DMF

Campus

Vertical Specialties



Service Provider

Global Financial

Media & Entertainment