Arista Cloud Engineer, Campus

ARISTA
ACE
Specialist
Campus

SKILLS ACQUIRED

Designed to show how wired and wireless (WiFi) networks are deployed using Arista components and management tools.

WHO IS IT FOR?

ACE:Campus course is best suited for individuals with mid-to-senior level experience in the wireless networking field. It is intended for designers responsible for planning networks from single sites to large campuses that meet current and future organizational requirements.

Beginner — Expert

LAB TIME

This course includes hands-on virtual labs built on current versions of EOS and CloudVision.

3 Weeks — **3 weeks** access to Labs

1 week Instructor Led

2 weeks Work on labs independently to refine skills

COURSE OVERVIEW

ACE:Campus is a 5-day course designed to show how wired and wireless (WiFi) networks are deployed using Arista components and management tools. This course expands on a candidate's general knowledge, including how the Arista Cognitive Campus Network (CCN) can incorporate WiFi capabilities and, implementing and configuring a WiFi network using Arista CloudVision Portal (CVP) and CloudVision WiFi (CVW). Candidates will also use CVW to gain better visibility into WiFi Access Points (APs), WiFi clients, and applications running across the wireless network.

10% / 10% / 10% / 20% / 20% / 30% — Applicable to Instructor Led Training
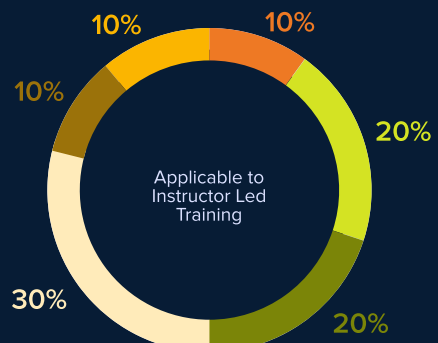
- Campus Network Designs
- Configuration Management, Infrastructure Compliance and Remediation
- Automation and Visibility with CV WiFi
- Labs
- Arista Cognitive Campus Network
- Segmentation in the Campus
- Best Practices for Network Provisioning, Management and Automation

Campus Network Designs

- Traditional Architectures
- Stacking Architectures
- Traditional Campus Segmentation
- Traditional Campus WiFi
- Traditional Campus Network Visibility
- Arista Campus Architecture

Configuration Management, Infrastructure Compliance and Remediation

- The Optimized Campus Enterprise Network
- Intro to CloudVision
- CloudVision Deployment Options
- Zero Touch Provisioning (ZTP)
- Configuration, Automation and Templating
- Tasks, Change Control and Compliance
- Automated Software Upgrades with CloudVision Portal
- Rollback Overview
- Real Time Telemetry, Machine Learning Troubleshooting and Monitoring
- Alerts, Notifications, and Events
- Device Information
- Enhanced Monitoring
- Using Studies

Labs

- Lab Access
- Navigating CloudVision Portal
- Configlet Management
- Configlet Builder
- Change Control
- Dashboard and Alerts
- Building the L3LS eBGP Network
- Virtual Extensible LAN (VXLAN)
- Using Studios
- Building Studios
- Review the CV WiFi Dashboard
- Folders and Groups
- Floor Plans
- Monitoring Wireless Clients
- Monitoring Access Points
- Monitoring Radios, SSIDs and Application Visibility
- Configuring SSID Required Setting
- Configuring SSID Optional Setting
- Configuring RADIUS, Tunnel Interface, and Role Profiles
- Configuring Radio Settings
- Client Connectivity Tests
- Capture Packet Traces
- Live Client Debugging

Arista Cognitive Campus Network

- CCN Guiding Principles
- Arista Cognitive Cloud Network Design for Campus
- Multi-Chassis Link Aggregation (MLAG)
- Arista Campus Architecture
- CCN for Campus Designs
- Cognitive Cloud based WiFi Solution for the Campus
- Arista Cognitive WiFi Deployment Considerations
- AP Replacement
- Remote Access Point (Hardware VPN)

Segmentation in the Campus

- Network Based Overlay in the Campus
- VXLAN in the Campus
- Arista AP Tunneling
- VXLAN Recommendations
- VXLAN Configuration
- BGP EVPN
- EVPN Control Plane
- EVPN Implementations

Automation and Visibility with CV WiFi

- Intro to CloudVision WiFi
- CV WiFi Network Organization
- Configuring Service Set Identifiers (SSIDs)
- Access Control
- Captive Portal
- RF Optimization
- Traffic Shaping & QOS
- Radio Settings
- AP Deployment
- CloudVision WiFi APIs

Best Practices for Network Provisioning, Management and Automation

- Seamless Network Operations
- Arista WiFi Client Visibility
- Arista WiFi Access Point (AP) Visibility
- Client Connectivity Tests
- Application Visibility
- Protecting the Campus Network
- Campus Access Control

MODALITIES

Our aim is to provide high quality training that is flexible and accessible for modern needs.

Instructor-led Training

Arista Academy PRO

ADDITIONAL INFORMATION

Verification from an official Arista training partner is required to register and take an exam. Instructor-led and self-study options are available. Look for these badges prior to purchasing your training.

ARISTA TRAINING PARTNER AUTHORIZED

ARISTA TRAINING PARTNER ELITE

ARISTA TRAINING PARTNER OLYMPUS

ARISTA Training and Certification Official Curriculum