Arista Cloud Engineer
Level 2 - Cloud Associate (ACE: L2)

LANTEC
CORPORATE TRAINING

Days: 5

Description: The ACE Level 2 course is designed to build upon the foundation in networking and Arista EOS established in Level 1. Engineers will focus on the Arista Universal Cloud Network (UCN) model for Layer 2 Leaf-Spine topologies leveraging MLAG and VARP. This same architecture is presented within the Arista Cognitive Campus architecture. The course will also introduce the Arista WiFi portfolio and features along with Campus specific features such as PoE. Engineers will then learn how the Arista DMF solution allows organizations to monitor a network-wide deployment.

Audience: The ACE Level 2 course is best suited for individuals with more than 2 years of experience in the Network Engineering Field and looking to establish the core skills that Arista Customers desire. Frontline Network Engineers and Operations staff will find the skills most often searched for by corporations for these positions. Engineers looking to cross over from siloed skillsets in networking and wanting to embrace the whole network to include DC, Campus and monitoring will grow their relevance to modern architectures. Those individuals holding current or expired Associate certifications in other vendor programs will find a refreshed and updated approach. ACE:L2 focuses on the features and skills needed in every network. You will not waste energy learning outdated technologies, approaches or tasks no longer used in open networks. All topics are used daily within every Arista Customer network.

OUTLINE:

MODULE 1: UNIVERSAL CLOUD NETWORKING – L2LS

- MLAG
- SVI Configuration
- VLAN Enhancements
- VARP - VRRP
- STP - MSTP

MODULE 2: EOS CLI TROUBLESHOOTING TOOLS

- TCP Dump
- Iperf
- Watch and Diff Commands
- CLI Scheduler
- Event Monitor
- Event Manager
- L2 Show Commands

MODULE 3: SECURITY

- ALCs
- LANZ
- Port Mirroring
- TapAGG
- DMF & Awake Overview

MODULE 4: CLOUDVISION

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

MODULE 5: CONGNITIVE CAMPUS

- Campus Overview
- Leveraging the UCN L2LS Architecture in the Campus
- Arista WiFi Features
- WiFi 6 Enhancements
- Arista AP Features
- CV for WiFi Configuration

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- Configuring PoE

MODULE 6: UNIVERSAL CLOUD NETWORKING – L3LS

- L2LS Review and Config Walkthrough
- Underlay and Overlay Design Options
- BGP – Address Families, Communities, Route Reflectors/Distinguishers/Targets
- L3LS Design with BGP