

Arista Cloud Engineer, Level 2

ARISTA

ACE
Cloud Associate

L2



SKILLS ACQUIRED

This training will enable you to configure, troubleshoot, and manage Arista network devices, utilize Arista EOS for enhanced network operations, implement network automation using CloudVision, and apply advanced Layer 2 and Layer 3 switching and routing techniques.

WHO IS IT FOR?

ACE:L2 is designed for mid-level network engineers, network administrators, network support technicians, and help desk technicians.



Beginner Expert



LAB TIME

Includes 17 hands-on labs, offering approximately 22 hours of practical experience.

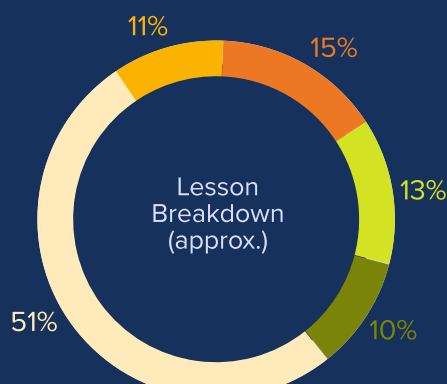


120
Hours

120 hours of cloud-based lab access, available remotely for 90 days once activated

COURSE OVERVIEW

The Arista ACE:L2 Cloud Associate course provides comprehensive knowledge and skills needed to configure, troubleshoot, and manage Arista network devices. You will learn about key topics including Arista EOS, CloudVision, Layer 2 Switching, and Layer 3 Routing. This course covers the essential components and features of Arista's networking solutions, preparing you to effectively implement and maintain Campus and Datacenter network infrastructures.



Arista EOS

CloudVision

Layer 2 Switching

Layer 3 Routing

Labs

Arista EOS

- Features and configuration of Arista EOS.
- Advanced Event Manager (AEM) for enhanced event handling.
- Traffic management techniques such as ACLs, port mirroring, and TAP aggregation.

CloudVision

- Importance, deployment, and management of CloudVision.
- Onboarding devices.
- Task management.
- Telemetry for operations.

Layer 2 Switching

- VLANs and their role in network segmentation.
- Spanning Tree Protocol (STP) and its enhancements.
- MLAG and LACP for link aggregation.
- Layer 2 Leaf Spine architectures for scalable network design.

Layer 3 Routing

- Fundamentals and operations of OSPF, IS-IS, and BGP.
- Configuration and troubleshooting of OSPF in single and multi-area environments.
- Implementation and management of IS-IS routing.
- Deployment and maintenance of BGP for inter-domain routing.

Labs

Arista EOS Labs

- Lab – AEM
- Lab – ACL
- Lab – Troubleshooting ACL

CloudVision Labs

- Lab – Navigating CVP
- Lab – Configlets
- Lab – Snapshots
- Lab – Change Control
- Lab – Dashboards

Layer 2 Switching Labs

- Lab – STP
- Lab – Troubleshooting STP
- Lab – MLAG Bowtie
- Lab – Troubleshooting MLAG

Layer 3 Routing Labs

- Lab – Routing OSPF
- Lab – Routing Multi-Area OSPF
- Bonus Lab – OSPF NSSA
- Lab – Routing BGP
- Lab – Troubleshooting Routing BGP

MODALITIES

This course is taught over five days in live Instructor-Led Training (ILT) or Virtual Instructor-Led Training (VILT) formats. For Self-Paced Training (SPT), the total duration of the course is approximately 43 hours.



Instructor-Led Training



Self-Paced Training