



## Arista Linux Essentials

### ALE Training

#### Class Description

Linux is everywhere today, from embedded systems and handhelds to servers, workstations and appliances. As the scale of computing grows and the scale of Linux deployments grows with it, IT professionals need to keep up with the pace of that growth. Arista's switch technology is a combination of advanced hardware and software, at the center of which is the Extensible Operating System, designed and built around a core of Linux.

This course will familiarize students with the background and history of UNIX/Linux systems, dive into how a Linux system runs and show how to interact with it proficiently. Students will leave the class with a base level of knowledge around the available tools and techniques that lead to Linux proficiency, allowing them to build further.

Written and taught by Adam Levin, a seasoned trainer at Arista Networks, this class will give students just the edge they need in the modern world of network automation.

#### Syllabus

- UNIX and Linux History
- Linux Distributions
- Getting Help
- The Linux Boot Process
- Run Levels and Startup Files
- Logging in, Shells, SSH
- User Management and Administrative Access
- The Linux Filesystem Types and Hierarchy
- Navigating the Filesystem
- Managing Files
- I/O, Pipes and Redirection
- Editors
- Job Control and Scheduling
- System Monitoring
- Basic Shell Programming in bash, sed and awk

#### Who Should Take This Class?

Anyone new to Linux/UNIX, or with only a basic beginner understanding of Linux, will gain knowledge and skills to make students more effective Linux admins, and

therefore more effective Arista network admins. This course will get students familiar with the background and history of UNIX/Linux systems and dive into how a Linux system runs and how to interact with it proficiently. It's not possible to cover everything Linux in two days, but the students will leave the class with a base level of knowledge around the available tools and techniques that lead to Linux proficiency and how to build on that base.

every effort will be made to accommodate the changing needs of attendees—based on the ability to find replacements—inside of 15-days your company will be charged for not attending.

## Prerequisites and Preparation

Students will need a computer capable of allowing you to SSH to another system. That's it. A basic knowledge of any programming language is helpful, as is any basic prior experience with Linux or UNIX from a user perspective.

## How to Register

- Please contact [training@arista.com](mailto:training@arista.com), or visit [solutions.arista.com/ale-training](http://solutions.arista.com/ale-training)

## For the Start of Class:

Please bring the following:

- Please bring a pad and pen, as well as a laptop (Mac or Windows)
- Only registered attendees can enter the building, so bring a valid government ID.
- Lunch is not provided; however, the class will take a break for attendees to have lunch.
- Class policy on cancellations: refunds will be given only until 15-days before the event; inside of 15-days