

TRAINING DELIVERY METHOD

Instructor-led remote training sessions via Networking Academy WebEx platform, including access to hands-on environment based on real switches and servers.

TARGET AUDIENCE

This course is designed for network administrators and engineers who wish to learn how to install, configure, manage, monitor, and troubleshoot Cumulus Linux based switches.

TRAINING DURATION

3 sessions of 4 hours

TRAINING OUTLINE

- Cumulus Linux Overview
 - Open Ethernet Overview
 - What is Cumulus Linux?
 - Cumulus Linux Architecture

- Cumulus Linux Initial Setup
 - Installing a New Cumulus Linux Image
 - Upgrading Cumulus Linux
 - Initial switch configuration
 - Network Command Line Utility
 - Interface Configuration and Management
 - Automating Initial Configuration with Zero Touch Provisioning – ZTP

- Layer Two
 - Ethernet Bridging – VLANs and Trunking
 - Ethernet Bridging – VLANs and Trunking Workshop
 - Spanning Tree and Rapid Spanning Tree – STP
 - Link Aggregation – LAG (Bonding)
 - Multi-Chassis Link Aggregation – MLAG
 - MLAG Workshop

- Layer Three
 - FRR Overview
 - BGP
 - BGP in the Datacenter
 - Equal Cost Multipath Load Sharing - Hardware ECMP overview
 - BGP Unnumbered Overview
 - BGP Unnumbered Workshop
 - VRFs
 - VRF Overview
 - FRR Operation in a VRF
 - Configuring VRFs

- Network Virtualization with VXLAN Workshop
 - VXLAN Overview
 - EVPN
 - EVPN Workshops
 - VXLAN Routing Modes
 - VXLAN Asymmetric Routing Workshop
 - VXLAN Symmetric Routing Workshop