TRAINING DELIVERY METHOD

Instructor-led remote or onsite training sessions via NVIDIA Academy WebEx or Teams platform, including access to hands-on environment.

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 each

TRAINING OUTLINE

Cumulus Linux Overview
- What is Cumulus Linux
- Cumulus Linux Architecture
- Linux shell (bash)
- Functional Units, e.g. interface manager
- Link Layer Discovery and verification (LLDP and PTM)

Cumulus Linux Initial Setup
- New CLI (NVUE)
- Zero Touch Provisioning (ZTP)

Layer 2
- Linux Bridging (VLAN Aware Bridge)
- Trunk and Access Port configuration
- Spanning Tree (STP)
- Bonds -Link Aggregation (LAG - LACP)
- Multi-Chassis Link Aggregation (MLAG)

Layer 3
- Switch Virtual Interfaces (SVI)
- Virtual Router Redundancy (VRR)
- Virtual Routing and Forwarding (VRF)
- Routing Suite (FRR)
- Border Gateway Protocol
BGP in the Data Center
BGP unnumbered

Network Virtualization
- Virtualization
  - Tunnel (VXLAN)
  - Controller-less VXLAN (EVPN)
- EVPN
  - EVPN Routing Modes
- VXLAN Asymmetric Routing Workshops
- VXLAN Symmetric Workshop