

Training: Extreme Networks Data Center - SLX



TRAINING TERMS

2025-06-30 | 5 days | Virtual Classroom

TRAINING GOALS:

This course provides an in-depth study of the Extreme SLX family of products and how they are utilized in an enterprise network. The course covers core competencies of configuration, operations and maintenance of Extreme SLX products. This course also covers IP Fabric configuration and implementation.

Upon completion of this course, students will have gained the working knowledge to:

- Describe Extreme's SLX hardware
- Configure and implement management protocols on SLX devices
- Configure and implement monitoring and reporting features on SLX Products including syslogs and sFlow
- Perform hardware troubleshooting and support functions on SLX devices
- Perform firmware upgrades on SLX devices
- Configure, deploy and maintain Link Aggregation Groups (LAGS)
- Describe, configure, and maintain Multi-Chassis Trunking (MCT)
- Configure, implement, and maintain IP Fabric
- Use cases of deploying SLX devices
- Discuss BGP4 Neighboring adjacencies and troubleshooting
- Configure basic BGP peering and route advertising
- Configure, implement, and maintain tunnels using SLX Products
- Configure, implement, and maintain MPLS on SLX Products
- Configure, implement, and maintain security and traffic control using ACLs

CONSPECT:

- SLX Products Overview
- SLX Architecture
 - SLX Architecture

- SLX Hardware
- OS Architecture
- SLX Use Cases
 - Deployment Scenarios
 - Spine and Leaf
 - Case study
- Essentials and Administration
 - Access
 - System Configuration
 - SNMP and NTP etc
- Firmware Upgrades
 - Software Image Download
 - Upgrading Process
 - Config Backup
 - Best Practices
- L2 Forwarding
 - L2 Frame forwarding
 - L2 Redundancy
 - Packet flow
- VLAN and Port Configuration
 - VLAN Configuration
 - Edge Port Configuration
 - Trunk Port Configuration
- LACP and LLDP Configuration
 - Link Aggregation
 - LACP Configuration
 - LLDP Configuration
- Protocol Independent Routing
 - Static Routes Configuration
 - Aggregate Routes Configuration
 - Default Routes
- Configuring IP Fabrics
 - IP Fabric
 - Configuring IP Fabrics
 - Monitoring Commands
- Advanced Configuration of IGP's

- Configuring OSPF
- Monitoring of OSPF
- OSPF Scalability
- Multi Area OSPF
- Advanced features of OSPF
- Advanced Configuration of BGP
 - Configuring BGP
 - BGP Route selection
 - BGP Attributes
 - BGP Route advertisements
- Configuration of MPLS
 - MPLS Signalling Protocols
 - MPLS Tunnel establishment
 - MPLS Label Distribution
 - MPLS tunnel configuration
 - MPLS troubleshooting commands
- MPLS Traffic Engineering
 - RSVP
 - Traffic Engineering
 - Configuration
 - Monitoring and troubleshooting
- ACLs and Security
 - ACLs
 - Configuring ACLs
 - ACL filtering
- sFlow
 - Configuring sFLOW
 - Monitoring
- SLX Analytics
- SLX Applications
- Basic Troubleshooting

REQUIREMENTS:

Before taking this course, students should have:

- A working knowledge of Networking protocols and implementation

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Extreme Networks.

This course prepares also for the Extreme Certified Specialist (ECS) - Data Center - SLX certification exam.

More information about Extreme Networks certification program and available certification levels you can find on the https://academy.extremenetworks.com/e_certifications/

TRAINER:

Authorized Extreme Networks Trainer