Training: Extreme Networks
# Extreme Switching - Installation and Configuration

## TRAINING GOALS:

Students will learn methods to properly deploy and configure their switching and routing environments using the ExtremeXOS/SwitchEngine CLI. This knowledge will be reinforced through actual hands-on experience with networking equipment in a lab environment, where students will perform real world tasks.

### Course Objectives

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

- Understand Layer 2 mechanisms and ways to implement and configure them in ExtremeXOS/SwitchEngine devices
- Understand Layer 3 mechanisms and ways to implement and configure them in ExtremeXOS/SwitchEngine devices
- Earn a learning credential on the Professional Programme training path

### Audience

This course is designed as the first step for individuals responsible for the installation, configuration, and management of the Extreme Networks family of ExtremeXOS/SwitchEngine switches.

## CONSPECT:

- Layer 2 Operations
  - VLAN Principles and Operations
  - Discovery Protocols
  - L2 Loop Prevention and Redundancy
  - Spanning Tree Protocol
  - Link Aggregation
  - MLAG
  - EAPS, ERPS



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    - ELRP, SLPP Guard
- Layer 3 Operations
    - Routing Overview
    - Static Routing
    - VR, VRF
    - Gateway Redundancy
    - OSPF
    - IP Multicast
    - PIM
    - IPv6 Operations

## REQUIREMENTS:

The Meet Extreme Switching Welcome Series certification is a mandatory prerequisite and must be completed prior to attending the Extreme Switching - Installation and Configuration class. You should already possess a solid grasp of LAN concepts, including advanced Ethernet and TCP/IP. To learn the basics of networking, see Extreme Academy.

## Difficulty level



## CERTIFICATE:

Participants who pass the assessment will receive a certificate signed by Extreme Networks - Extreme Certified Associate in Extreme Switching - Installation and Configuration

## TRAINER:

Authorized Extreme Networks Trainer.



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