

# COURSE OUTLINE: Extreme Switching – Installation and Configuration



#### ASSOCIATED BADGE

Extreme Switching –  
Installation and  
Configuration



#### COURSE DURATION

Instructor-Led: 3 Days  
On-demand: 7 hours

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#### DELIVERY METHOD

**Instructor-Led:** In-person and virtual training sessions, both with hands-on lab activities.

**On-Demand:** Flexible, self-paced learning without hands-on lab activities.

## COURSE OVERVIEW

Students will learn methods to properly deploy and configure their switching and routing environments using the ExtremeXOS/Switch Engine 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.

### WHO SHOULD ATTEND

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

### PRE-REQUISITE:

Students should possess a solid grasp of LAN concepts, including advanced Ethernet and TCP/IP. “Welcome Series – Meet Extreme Switching” is a recommended first step before taking the class.

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

# AGENDA

## Layer 2 Operations

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

## Layer 3 Operations

- Routing Overview
  - Static Routing
  - VR, VRF
  - Gateway Redundancy
  - OSPF
  - IP Multicast
  - PIM
  - IPv6 Operations
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