

# COURSE OUTLINE: Extreme Switching – Advanced Configuration



## ASSOCIATED BADGE

Extreme Switching –  
Advanced  
Configuration



## COURSE DURATION

Instructor-Led: 2 Days  
On-demand: 5 hours

[REGISTER](#)



## 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 enhance their existing switching and routing environment with security, traffic optimization, automation and integration features. Several network management tasks will be exercised. 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 optimization-oriented knowledge enhancement for individuals responsible for deploying and maintaining of the Extreme Networks family of ExtremeXOS/Switch Engine switches.

## PRE-REQUISITE:

Students should already possess a learning credential for Extreme Switching – Installation and Configuration.

## COURSE OBJECTIVES

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

- Implement security mechanisms in ExtremeXOS/Switch Engine devices, such as ONEPolicy or ACLs
- Implement traffic optimization techniques e.g. Quality of Service
- Automate, integrate and enhance ExtremeXOS/Switch Engine capabilities with features such as Fabric Attach, CLI scripting as well as Python scripting
- Earn a learning credential on the Professional Programme training path.

# AGENDA

## Layer 3 Operations

- Virtual Router and VRF
- IP Multicast
- Protocol Independent Multicast
- IPv6

## Security

- EXOS Security Overview
- Authentication, Authorization and Accounting
- Access Control Lists
- Policy

## Optimization

- Traffic Optimization
- Automation
- Fabric Attach