

ExtremeXOS Switching and Routing

ASSOCIATED CERTIFICATIONS

- ECS-XOS

COURSE DURATION

- 32 Hours

DELIVERY METHOD

- Instructor Led Classroom and Virtual Classroom

ONSITE DELIVERIES

- Contact your Extreme Networks representative for pricing

COURSE HIGHLIGHTS

Students will learn methods to properly configure, deploy, manage and troubleshoot their Extreme Networks switching and routing environments using the Extreme Networks operating systems ExtremeXOS 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.

FOR MANAGERS

ExtremeXOS Switching and Routing is targeted for users that have an understanding of networking fundamentals and now require an introduction of operating (configuring, managing and troubleshooting) their Extreme Networks family of LAN switches. Ideal candidates for the course are Network Administrators or Systems Integration Specialist who are tasked with the responsibility of supporting your Extreme Networks LAN domain.



- Building and managing networks utilizing the Extreme Networks switching product capabilities
- Enabled by innovative technology, powered by your business demands
- Intelligent and granular control for exceptional application delivery

Course Agenda

- Discussions regarding the Extreme Networks operating systems (ExtremeXOS) Including Switch Management & Stacking capabilities.
- Technical discussions around port configurations, building VLAN and 802.3ad Link Aggregation Protocol (LAG) and Multi-Switch Link Aggregation (MLAG).
- Introduction to Ethernet Automatic Protection Switching (EAPS) featuring building a multiple domains, understanding EAPS domain priority, and configuring EAPS shared port.
- G.8032 Ethernet Ring Protection Switching (ERPS), ERPS operation and configuration elements, and configuring and verifying ERPS.
- Connectivity Fault Management (CFM), CFM operation and configuration elements, and configuring and verifying CFM as part of an ERPS configuration.
- Understand and Configuring VRRP.
- Access Control Lists (ACLs), using policies, editing policy files and ACL rule evaluation process, ACL matching conditions, syntax, and troubleshooting, and Configuring static ACLs and dynamic ACLs.
- Configuring CLEAR-Flow.
- Configuring IP Routing and OSPF, Configuring OSPF using multiple areas, Configuring OPSF route summarization, and Configuring IP route sharing (Equal Cost Multipath (ECMP)).
- IP Multicast and IGMP, including IGMP and IGMP snooping operation and configuration and Protocol Independent Multicast (PIM-SM), operation and configuration.
- Introduction to ExtremeXOS static scripts, system scripts, control structures, variables, operators and functions.
- Universal Port & Dynamic scripts, UP events, profiles and VOIP provisioning.
- Quality of Service discussion around 802.1p, DiffServ, CoS examinations, marking and replacement

Course Prerequisites

Extreme Networks recommends students have a general understanding of networking prior to enrollment.

Recommended Next Courses

- NetSight Boot Camp