Associated Certifications
ECNA – ExtremeXOS

Course Duration
3 Days

Delivery Method
Available as Classroom Instructor-led training, Virtual Instructor-led training and self-paced eLearning

Who Should Attend
This course is designed for individuals getting started with their Extreme Networks ExtremeXOS Switching and Routing solution.

Prerequisite
Student should possess a working familiarity with LAN concepts, including basic Ethernet and TCP/IP.

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

- Access and use the ExtremeXOS CLI and legacy CLI
- Install and configure Extreme Networks management tools
- Configure Layer 1 and Layer 2 networking features
- Understand and verify ExtremeXOS stacking
- Configure a network using Ethernet Automatic Protection Switching (EAPS)
- Configure Layer 3 routing
- Take the ExtremeXOS Fundamentals Associate certification exam in order to achieve the ECNA-EXOS certification

Agenda

New Switch Features
- EXOS running 22.1x
- EXOS running 22.2x

Switch Management
- Switch Management Access Methods
- Implementing Switch Management
- Firmware Management
- Configuration File Management
- Port Mirroring
- LLDP

Stacking
- Stacking Overview
- Stacking
- Stack Initialization & Operations
- Managing The Stack
- Stacking Commands
- Configuring The Stack
VLAN Configuration and Operation
- VLAN Overview
- VLAN Forwarding
- VLAN Show Commands
- VLAN Creation
- VLAN Security

EAPS
- EAPS Overview
- EAPS Operation
- Configuring EAPS
- Managing EAPS
- Show Commands

Link Aggregation Groups
- Product-Specific Information
- LAG Configuration
  - Dynamic
  - Static
- Show Commands

ExtremeXOS Scripting
- Static scripts
- System scripts
- Script control structures
- Script variables
- Scripting operators and functions
- Configuring basic static scripts

Universal Port
- Types of trigger events supported by Universal Port
- UP profiles
- Universal Port VOIP provisioning
- Commands used to verify that Universal Port

Access Control Lists
- ExtremeXOS packet filtering structure and components
- Policies and edit policy files
- ACL matching conditions, syntax, and troubleshooting
- Static ACLs and Dynamic ACLs
- ACL rule evaluation process

Routing Overview
- OSI Model and Basic Routing Concepts
- Extreme Networks XOS Routing Portfolio
- Basic configuration commands

Configuring Policy-Based Redirect
- Deploy Policy-Based Redirects

Troubleshooting
- System diagnostics
- ExtremeXOS data gathering tools
- ExtremeXOS connectivity testing tools