

Training: Extreme Networks
Campus Fabric Switching and Routing



| FORM OF TRAINING | MATERIALS | PRICE | DURATION |
|------------------|-------------------|----------|----------|
| Traditional | Digital materials | 2000 USD | 4 days |
| Traditional | CTAB Tablet | 2130 USD | 4 days |

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING TERMS

2019-11-12 | 4 days | Warszawa

TRAINING GOALS:

Building and managing networks utilizing the Extreme Networks Campus Fabric networking environment. This knowledge will be reinforced through actual hands-on experience with networking equipment in a lab environment, where students will perform real world tasks.

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

- To integrate and implement Extreme Networks Fabric Networking core and complex solutions based on reference architectures from Extreme Networks customer scenarios
- Take the ECS Fabric Switching & Routing Exam

Target Audience:

- This course is designed for individuals responsible for the configuration, management, maintenance, and support of the Extreme Networks family of switches.

CONSPECT:

- Fabric Connect Introduction
 - Shortest Path Bridging based network including Backbone Edge Bridge (BEB) and Backbone Core Bridge (BCB)
 - User Network Interfaces (UNI) and Network to Network Interfaces(NNI) in an SPB network
 - SPB forwarding plane using shortest path trees and the role of IS-IS routing
 - B-VLAN and B-MAC in the SPB core

- Product Overview
 - Extreme Networks products that support Fabric Connect and Fabric Attach
 - Product features, scaling, and license requirements
 - Extreme Networks products in Fabric deployments
- Fabric Connect Infrastructure
 - IS-IS routing protocol link state database and shortest path
 - Reverse Path Forwarding Check (RPFC) and Simple Loop Prevention Protocol (SLPP) to prevent loops
 - SPB implementation following best practices
- Operations, Administration, Management
 - Connectivity Fault Manager (CFM) providing ping, traceroute, and trace-path tools at Layer 2
 - Configuring CFM on a SPB network
- Implementing Layer 2 VSN
 - Fabric Connect services using Layer 2 Virtual Service Networks
- Implementing Inter-VSN Routing
 - Inter-VSN Routing over Fabric Connect
- Implementing IP Shortcuts
 - Fabric Connect services using IP Shortcut Routing
- Implementing Layer 3 VSN
 - Layer Three Virtual Service Networks over Fabric Connect
- IS-IS Accept Policies and Route Redistribution
 - IS-IS and other routing protocols
- Fabric Services for Security Products
 - Fabric services to provide security
- EFO, COM Plus and VPFM Plus
 - Extreme Fabric Orchestrator, COM Plus, and VPFM Plus.
- Switch Clustering
 - Switch Clustering including Inter-Switch Trunking and Virtual Inter-Switch Trunking.
 - Loop Prevention and Link Health
 - Best practices for link health and loop prevention using SLPP, SLPP Guard and VLACP
- ToR Switching
 - Top-of-Rack switching in the Data Center
- Extreme Management Center Introduction
 - Extreme Networks Management Center to:
 - Monitor the network health
 - Use of automated tools

- Visibility of end user devices
- Remote management of devices
- Extreme Management Center Configuration
 - Manage your network using the following tools within the Extreme Management Center:
 - SNMP
 - CLI Credential
 - Site Template
 - Adding Devices
- Implementing Multicast over SPB
 - IP Multicast in a Fabric Connect solution
- Quality of Service
 - Quality of Service (QoS) in the Fabric Connect network
- Fabric Extend
 - Fabric Extend and Open Network Adapter
- Fabric Attach
 - Fabric Attach and SPB Fabric

REQUIREMENTS:

Students should possess a solid grasp of LAN concepts, including advanced Ethernet and TCP/IP skills.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Extreme Networks.

This course prepares also for the Extreme Certified Specialist (ECS) – Fabric Switching & Routing certification exam provides networking professionals with methods to properly configure, deploy, manage and troubleshoot their Extreme Networks environments.

More information about Extreme Networks certification program and available certification levels you can find on the <http://www.extremenetworks.com/education/certifications/>.

TRAINER:

Authorized Extreme Networks Trainer.