TECHNICAL TRAINING

COURSE OUTLINE: Extreme Fabric – Installation and Configuration



ASSOCIATED BADGE

Extreme Fabric – Installation and Configuration

COURSE DURATION

Instructor-Led Course Duration: 3 Days

On-demand: 8 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

The goal of the course is to equip students to properly install and configure Extreme Networks' Fabric Connect. Students experience the deployment process from the beginning to completion learning all the essential steps and technologies. Lectures are supported equally with hands-on experience on Universal Hardware 5520s Fabric Engine and Switch Engine. Successful completion results in an operational SPBM fabric with L2VSN, L3VsN, IP-Shortcuts, Fabric Attach and vIST Core Switch Pair.

WHO SHOULD ATTEND

This course is designed as the first step for individuals responsible for the installation, configuration, and management of the Extreme Networks Fabric Connect switches.

MANDATORY PRE-REQUISITE

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

COURSE OBJECTIVES

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

- To deploy Extreme Networks' Fabric Connect solutions based on reference architectures from Extreme Networks customer scenarios.

AGENDA

Extreme Fabric Overview

- Shortest Path Bridging
- IS-IS routing
- Extreme Fabric services

Fabric Deployment Options

- Automation and on-boarding options
- Auto-sense ports

AGENDA CONT'D

VSP Switch Management

- Switching portfolio
- Software management and upgrade
- Management interfaces

Fabric Connect Infrastructure

- BVLANs
- IS-IS parameters, interfaces and adjacencies
- SPB best practices

Fabric Management

- CFM
- IP Shortcuts
- Mgmt CLIP
- DHCP Server

L2VSN

- L2VSN configuration
- UNI port configuration
- L2VSN multicast

- L3VSN
- VRF routing
- Route redistribution
- Inter-VSN routing

Fabric Edge and Autosense

- Fabric to the edge
- Auto-sense configuration
- Auto-MLT NNI

VIST Core Switch Pair

- Redundancy on the edge of Fabric
- SMLT configuration
- Layer 3 redundancy options: RSMLT, VRRP, Anycast IP Gateway

Fabric Attach (FA)

- FA architecture
- FA elements
- FA configuration

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