TECHNICAL TRAINING

COURSE OUTLINE:
Extreme Fabric – Troubleshooting



ASSOCIATED BADGE

Extreme Fabric – Troubleshooting

COURSE DURATION

Instructor-Led Course Duration: 2 Days

On-demand: 6 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

Extreme Networks' Fabric Connect is an advanced, reliable, high performance network solution. This training course will review the technologies that support fabric operation and services highlighting their correct operation and ways to determine misconfiguration. Identifying problems at network Layer 1, Layer 2 and Layer 3 and discussed along with how to troubleshoot fabric service issues. Lectures are supported equally with hands-on experience on Universal Hardware 5520s Fabric Engine..

WHO SHOULD ATTEND

This course is designed for network administrators, support engineers and integrators responsible for the management and troubleshooting of the Extreme Networks Campus Fabric Connect switches and devices.

MANDATORY PRE-REQUISITE

To take part and to gain the most benefit from this training, you must possess the full learning credential in Extreme Fabric - Installation and Configuration.

COURSE OBJECTIVES

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

- Utilize VOSS/FE specific tools for troubleshooting Fabric Connect.
- Properly set up the management network and identify problems that may occur.
- Identify a properly configured SPBM node and locate layer 1 and 2 issues.
- Explain how to identify and troubleshoot fabric service issues.

AGENDA

VSP Tools

- Switch Boot and Images
- Switch Logs
- Key Health Indicators and Status Switch

Management and On-Boarding

- Segmented Management Config and Issues
- Fabric Management using GRT and CLIP
- Examining the Onboarding Process

Link Configuration and Issues

- Gigabit Ethernet Port Configuration
- Time Domain Reflectometer
- Link Layer Discovery Protocol LLDP

Auto-Sense and Fabric Attach

- Fabric Attach Issues
- Auto-Sense Review and Issues

Fabric Connect IS-IS/SPBM Infrastructure

- IS-IS and SPBM Configuration Issues
- Virtual Link Aggregation Control Protocol VLACP
- VIST Core Switch Pair Config and Issues

Campus Fabric Services Troubleshooting

- Layer 2 VSN Config and Issues
- IP-Shortcuts Config and Issues
- Layer 3 VSN Config and Issues
- InterVSN Routing Config and Issues
- IP Multicast Config and Issues

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