

COURSE OUTLINE: Extreme Fabric – Troubleshooting Workshop



COURSE DURATION

1 Day

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COURSE OVERVIEW

The Extreme Fabric Troubleshooting Workshop provides a fast-paced walk through essential hands-on exercise to familiarize with key methods that support the fabric operation and services highlighting their proper operation and ways to determine misconfiguration, identify problems at network Layer 1, Layer 2, Layer 3, and discuss how to troubleshoot fabric service issues.

MANDATORY PRE-REQUISITE:

Designed for individuals with professional experience in networking, with basic understanding of Layer 2 and Layer 3 operations fundamentals.

Although the workshop is accompanied by a quick recap of the theory behind covered concepts, it's essential that you grasp this theory at a greater depth beforehand with Extreme Fabric on-demand training in full.

WHO SHOULD ATTEND

This course is designed for network administrators, support engineers and integrators responsible for the deployment, management, and troubleshooting of networks based on Extreme Fabric.

COURSE OBJECTIVES

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

- Utilize VOSS and Fabric Engine specific tools for troubleshooting Extreme Fabric,
- 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/FE Tools

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

Link Configuration and Issues

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

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