WELCOME SERIES

COURSE OUTLINE: Meet Extreme Fabric

ASSOCIATED CERTIFICATIONS
Extreme Certified Associate

COURSE DURATION
1 Hour 50 Minutes

DELIVERY METHOD
Video on demand (VOD)

WATCH NOW

COURSE OVERVIEW

Join the Fabric Connect product family with this 4-part series covering topics such as IS-IS, Multicast, Security and much more. This series students will dive into the wonderful world of Extreme Fabric Connect, looking closely at specific Fabric scenarios and explaining these concepts so the whole of your family will understand.

WHO SHOULD ATTEND

This course is designed for individuals who are new to the field of fabric networking or those who have some experience and want to enhance their knowledge and skills.

COURSE OBJECTIVES

- Upon completion of this course, you will be able to complete the FREE certification exam which will award you the Extreme Certified Associate in Extreme Fabric digital badge.
- Display on your digital badge on your LinkedIn profile to demonstrate your credibility, your commitment to continuous learning and growth, enhanced visibility, and potential networking opportunities.

AGENDA

EP 1

- What is this thing called 'Extreme Fabric Connect' all about?
- Fabric Connect vs Traditional Network Methods Analogy
- Redundancy
- Spanning Tree Loops
- Spanning Tree Protocols
- IEEE to the Rescue with 802.1aq – Shortest Path Bridging
  - Characteristics of Traditional Networks
  - Complex to Run and Maintain
  - Suffer from Lack of Agility
  - Security Challenges
  - Lack of Flexibility
  - Expensive
- Traditional Switching Gone Haywire – Use Case
- Takeaway Statement Number One.

AGENDA CONT'D

EP2

- Dijkstra - the Foundation for SPB / 802.1aq
- Extreme Fabric Connect Abbreviations
  - VSN – Virtual Services Network
  - UNI – User to Network Interface
  - NNI – Network to Network Interface
  - BCB – Backbone Core Bridge
  - BEB – Backbone Edge Bridge
- Convergence Advantages of Fabric Connect
- Multicast Capabilities
- Takeaway Statement Number Two

EP3

- IEEE Standards
- IS-IS - a Link State Protocol
- Symmetrical Data Paths
- IP-Free Config Inside the Fabric
- Forwarding Plane – Mac in Mac
- Control Plane – IS-IS
- Virtual Services within a FC network
- I-SID – Unique identifiers for a Virtual Service Network
- Edge Based Management
- From 802.1q to 802.1ah – Encapsulation of a Data Frame on a FC Network
  - Service Identifiers (I-SID, B-SID)
  - Tunnel Identifiers (B-SA, B-DA)

EP4

- Multicast
- Layer 3 VSNs
  - Security by Stealth
  - Security Hyper Segmentation
  - Security by Dynamic Elasticity
- Security Video by Ed Koehler
- Fabric Extend
- Fabric Attach