Fast Lane

Extreme Switching – Installation and Configuration (ES-IC)

ID ES-IC   **Price** CHF 2,100.—(excl. VAT)   **Duration** 3 days

Who should attend

Dieser Kurs ist als erster Schritt für Personen gedacht, die für die Installation, Konfiguration und Verwaltung der ExtremeXOS/SwitchEngine-Switches der Extreme Networks-Familie verantwortlich sind.

Course Content

VLAN Configuration & Operation

- IEEE 802.1Q VLAN operation and configuration for ExtremeXOS switches
- VLAN Overview
- VLAN Forwarding
- VLAN Show Commands
- VLAN Creation
- VLAN Security

Spanning Tree

- Spanning Tree Protocol Overview
- Spanning Tree Protocol Support
- IEEE 802.1w, Rapid spanning Tree
- IEEE 802.1s, Multiple Spanning Tree (MST)
- Spanning Tree Configuration
- Show Commands

Extreme Loop Recovery Protocol

- Spanning Tree Extreme Switches – Extreme Loop Recovery Protocol

Ethernet Automatic Protection

- Understand EAPS Operation
- Configuring EAPS
- Verify EAPS Operation using EAPS Show Commands

Advanced EAPS

- Multiple Ring Topologies
- Common Link (Shared Port)
- Multiple Domain Configuration with Common Link
- Controller and Partner Node States

- EAPS Domains Priority
- Show Command

Link Aggregation Groups

- Product-Specific Information
- LAG Configuration
- Dynamic
- Static
- Show Commands

Multi-Switch Link Aggregation Group

- Multi-Switch Link Aggregation Group Overview
- MLAG Operation
- MLAG Configuration
- Show Commands

Access Control Lists

- ExtremeXOS packet filtering structure and components
- Policies and policy files
- ACL matching conditions, syntax, and troubleshooting
- Differences between Static ACLs and Dynamic ACLs
- ACL rule evaluation process

CLEAR-Flow

- CLEAR-Flow Operation
- CLEAR-Flow rules
- CLEAR-Flow matching conditions and actions
- How to configure and monitor CLEAR-Flow rules

Routing Overview

- OSI Model and Basic Routing Concepts
- Extreme Networks XOS Routing Portfolio
- Comparing the Products
- Basic configuration commands

OSPF Configuration

- Overview of OSPF
- OSPF areas and area types
- OSPF operation
- OSPF Hello protocol
- OSPF adjacency process

- Types of Link State Advertisements
- Configure a multi-area OSPF network

Policy Based Routing

- Deploying Policy-Based Redirects

Virtual Routing Redundancy

- Where to use VRRP
- Change from master router to backup router
- VRRP multicast and virtual MAC addresses
- Configure and verify VRRP

Multicast Routing

- IP Multicast
- IP Multicast addressing scheme
- Internet Group Multicast Protocol (IGMP) operation
- Configure IGMP
- Protocol Independent Multicast-Sparse Mode (PIM-SM) operation
- PIM-SM configuration

Training Centres worldwide

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