Advanced Junos Enterprise Switching (AJEX)

ID AJEX **Price** CHF 2,100.—(excl. VAT) **Duration** 2 days

Who should attend

This course benefits individuals responsible for configuring and monitoring EX Series Switches using Junos OS.

This course is part of the following Certifications

Juniper Networks Certified Internet Professional Enterprise Routing & Switching (JNCIP-ENT)

Prerequisites

The prerequisites for this course include:

- Basic networking knowledge and an understanding of the OSI reference model and the TCP/IP protocol suite.
- Completion of the Introduction to the Junos Operating System (IJOS) course prior to attending this class.
- Completion of the Junos Enterprise Switching (JEX) course prior to attending this class.

Course Objectives

- Modify traffic flows within a VLAN.
- Manage dynamic VLAN registration.
- Implement Layer 2tunneltraffic through Ethernet networks.
- Review the purpose and operations of a spanning tree.
- Implement multiple spanning-tree instances in a network.
- Implement one or more spanning-tree instances for a VLAN.
- List the benefits of implementing end-user authentication.
- Explain the operations of various access control features.
- Configure and monitor various access control features.
- Describe processing considerations after enabling multiple authentication and access control features.
- Describe some common IP telephony deployment scenarios.
- Describe features that facilitate IP telephony deployments.
- Configure and monitor features used in IP telephony deployments.
- Explain the purpose and basic operations of CoS.
- Describe CoS features used in Layer 2 networks.
- Configure and monitor CoS in a Layer 2 network.
- List common issues that disrupt network operations.
- Identify tools used in network troubleshooting.
- List available tools to resolve network issues.

Course Content

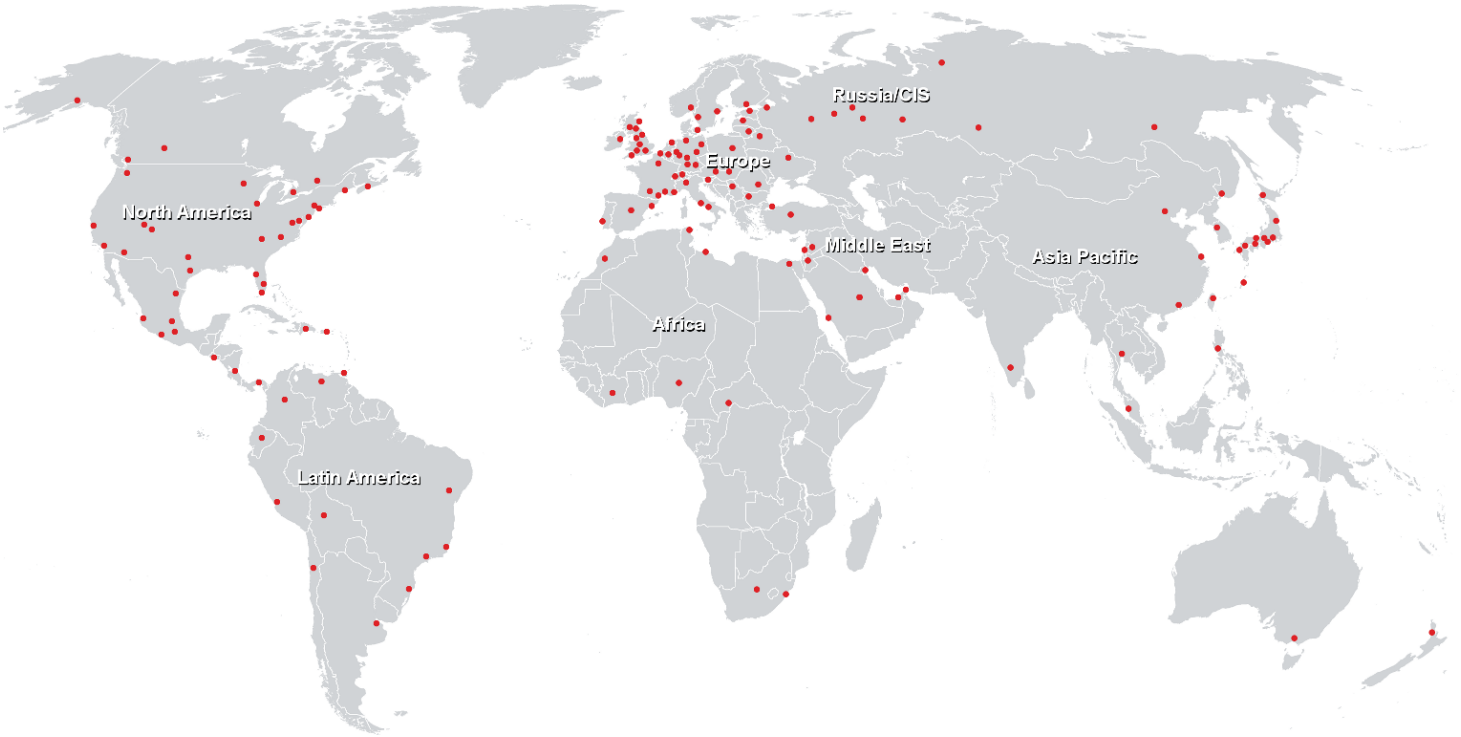
- Implementing VLAN Traffic Management
- Advanced Ethernet Switching
- MSTP
- VSTP
- Authentication and Access Control
- Access Control Features—MAC RADIUS and Captive Portal
- IP Telephony Features—Power over Ethernet, Neighbor Discovery Using LLDP
- IP Telephony Features—Voice VLAN
- Class of Service—Overview
- Implementing Class of Service
- Introduction to Monitoring and Troubleshooting Layer 2 Enterprise Networks
- Monitoring and Troubleshooting Layer 2 Enterprise Networks

Self-Study Modules

- Juniper Mist Wired Assurance—Overview
- Juniper Mist Wired Assurance, Day One—Deployment and Configuration

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Training Centres worldwide





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