

## Junos Enterprise Switching (JEX)

ID JEX Prix CHF 1 800,- (Hors Taxe) Durée 2 jours

### A qui s'adresse cette formation

Individuals responsible for configuring and monitoring EX Series switches running Junos OS.

### Cette formation prépare à la/aux certifications

Juniper Networks Certified Internet Specialist Enterprise Routing & Switching (JNCIS-ENT)

### Pré-requis

- Basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite
- Attend the [Introduction to the Junos Operating System \(IJOS\)](#) course prior to attending this class

### Objectifs

- List the benefits of implementing switched LANs.
- Describe transparent bridging concepts and operations.
- Describe terms and design considerations for switched LANs.
- List enterprise platforms that support Layer 2 switching.
- Configure interfaces for Layer 2 switching operations.
- Display and interpret the Ethernet switching table.
- Explain the concept of a VLAN.
- Describe access and trunk port modes.
- Configure and monitor VLANs.
- Describe voice VLAN and native VLAN concepts.
- Explain inter-VLAN routing operations.
- Configure and monitor inter-VLAN routing.
- Explain when a spanning tree is required.
- Describe STP and Rapid Spanning Tree Protocol (RSTP) operations.
- List some advantages of using RSTP over STP.
- Configure and monitor RSTP.
- Describe the bridge protocol data unit (BPDU), loop, and root protection features.
- Configure and monitor the BPDU, loop, and root protection features.
- List and describe various port security features.
- Configure and monitor port security features.
- Describe the storm control feature.

- Configure and monitor storm control.
- Describe firewall filter support for EX Series Ethernet Switches.
- Implement and monitor the effects of a firewall filter.
- List and describe some features that promote high availability.
- Configure and monitor high availability features.
- Describe the basic concepts and operational details of a virtual chassis.
- Implement a virtual chassis with multiple EX4300 switches.
- Explain the concepts of Multiple Spanning Tree Protocol (MSTP).
- Configure and monitor MSTP.
- Discover, configure, and troubleshoot EX Series switches using Junos Space Network Director.

### Contenu

- Layer 2 Switching
- Switching Design Considerations
- Implementing VLANs
- Implementing VLAN Features
- Spanning Tree Overview
- Deploy Spanning Tree
- Spanning Tree Protection Features
- LAGs and RTGs
- Device Security
- Firewall Filters
- Port Security—MAC Limiting, MAC Learning, and MACsec
- Port Security—DHCP Snooping, Dynamic ARP Inspection, and IP Source Guard
- High Availability—GRES, NSR, and NSB

### Self-Study Modules

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

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## Centres de formation dans le monde entier



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