

Junos Enterprise switching

JEX



Delivery Type: Classroom

Duration: 2 days

Overview

Junos Enterprise Switching is a two-day course that provides students with introductory switching knowledge and configuration examples. This course includes an overview of switching concepts and operations, virtual LANs (VLANs), the Spanning Tree Protocol (STP), port and device security features, and high availability (HA) features. This course is based on the Junos operating system Release 11.1R2.3.

Pre-Requisites

Attendees should meet the following prerequisites: Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite. Students should also attend the Introduction to the Junos Operating System (IJS) and the Junos Routing Essentials (JRE) courses prior to attending this class.

Objectives

After you complete this course you will be able to:

- ✓ 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.

Target Audience

This course benefits individuals responsible for configuring and monitoring EX Series switches.

Certification

recommended preparation for exam(s):

- ✓ Exam code: JN0-343 -Juniper Networks Certified Internet Specialist (JNCIS-ENT)

Follow on Courses

The following courses are recommended for further study:

- ✓ Advanced Junos Enterprise Routing (AJER)
- ✓ Advanced Junos Enterprise Switching (AJEX)