



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Advanced Junos Enterprise Switching Troubleshooting (AJEXT)

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
JUN_AJEXT	1 day	kr9,500.00

## Description

This one-day course is designed to provide students with information about troubleshooting spanning tree protocols, Q-in-Q tunneling, port security features, multicast, and class of service (CoS). Students will gain experience in monitoring and troubleshooting these topics through demonstration as well as hands-on labs. The course exposes students to common troubleshooting commands and tools used to troubleshoot various intermediate to advanced issues.

This course uses Juniper Networks EX Series Switches for the hands-on component, but the lab environment does not preclude the course from being applicable to other Juniper hardware platforms running the Junos OS. This course is based on Junos OS Release 12.3R1.7.

Advanced Junos Enterprise Switching Troubleshooting is an advanced-level course.

## Objectives

After successfully completing this course, you should be able to:

- Verify and troubleshoot Spanning Tree Protocol (STP).
- Verify and troubleshoot Rapid Spanning Tree Protocol (RSTP).
- Verify and troubleshoot Multiple Spanning Tree Protocol (MSTP).
- Verify and troubleshoot VLAN Spanning Tree Protocol (VSTP).
- Verify and troubleshoot Q-in-Q tunneling.
- Verify and troubleshoot port authentication and security.
- Verify and troubleshoot multicast.
- Verify and troubleshoot class of service.
- List the general chassis components.
- Identify different methods for troubleshooting major chassis components.
- Troubleshoot Virtual Chassis.

## Audience

The primary audience for this course is the following:

- Individuals responsible for configuring and monitoring devices running the Junos OS

## Prerequisites

The following are the prerequisites for this course:

- Junos Troubleshooting in the NOC (JTNOC); and
- Advanced Junos Enterprise Switching (AJEX)

## Programme

Day 1

Chapter 1: Course Introduction

## Chapter 2: Troubleshooting Spanning Tree Protocols

- Spanning Tree Protocols Overview
- STP
- RSTP
- MSTP
- VSTP
- Troubleshooting Spanning Tree Protocols Lab

## Chapter 3: Troubleshooting Port Security

- Port Security Features
- Authentication and Access Control
- Troubleshooting Port Security Lab

## Chapter 4: Troubleshooting Advanced Features

- Q-in-Q Tunneling
- Multicast
- Class of Service
- Troubleshooting Advanced Features Lab

## Appendix A: Hardware and Virtual Chassis Troubleshooting

- General Chassis Components
- Redundancy
- Hardware Case Study

## Session Dates

På begäran, [kontakta oss](#)

## Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)