

## Advanced Juniper Junos Enterprise Switching

**Code** :ACBE–JNP-AJEX

**Days** : 2

### Course Description:

This two-day course provides detailed coverage of virtual LAN (VLAN) operations, Multiple Spanning Tree Protocol (MSTP) and VLAN Spanning Tree Protocol (VSTP), authentication and access control for Layer 2 networks, IP telephony features, class of service (CoS) and monitoring and troubleshooting tools and features supported on the EX Series Ethernet Switches.

Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos operating system and in monitoring device and protocol operations.

This course is based on the Junos OS Release 10.4R3.4.

### Course Summarize:

#### DAY 1:

##### Chapter 1: Course Introduction

##### Chapter 2: Advanced Ethernet Switching

- Virtual Local Area Networks
- Automating VLAN Administration
- Tunneling Layer 2 Traffic
- Lab 1: Advanced Ethernet Switching

##### Chapter 3: Advanced Spanning Tree

- Spanning Tree Review
- MSTP
- VSTP
- Lab 2: Advanced Spanning Tree

##### Chapter 4: Spanning Tree

- Authentication Overview
- Access Control Features
- Overview of Authentication Processing
- Lab 3: Authentication and Access Control

#### DAY 2:

##### Chapter 5: Deploying IP Telephony Features

- Deployment Scenarios

- IP Telephony Features
- Case Study: Deploying IP Telephony Features
- Lab 4: Deploying IP Telephony Features

#### Chapter 6: Class of Service

- Class of Service Review
- Processing and Feature Overview
- Case Study: Implementing Class of Service
- Lab 5: Class of Service

#### Chapter 7: Monitoring and Troubleshooting Layer 2 Networks

- Introduction to Monitoring and Troubleshooting
- Monitoring and Troubleshooting Tools
- Case Studies
- Lab 6: Monitoring and Troubleshooting