Junos Routing Essentials

JRE

Delivery Type: Classroom
Duration: 1 day

Overview

This one-day Instructor led course provides students with foundational routing knowledge and configuration examples and includes an overview of general routing concepts, routing policy and firewall filters, and class of service (CoS).

Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and monitoring basic device operations. This course uses Juniper Networks SRX Series Services Gateways 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 12.1R1.9.

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 (IJOS) course prior to attending this class.

Objectives

After you complete this course you will be able to:
- ✓ Explain basic routing operations and concepts.
- ✓ View and describe routing and forwarding tables.
- ✓ Configure and monitor static routing.
- ✓ Configure and monitor OSPF.
- ✓ Describe the framework for routing policy and firewall filters.
- ✓ Explain the evaluation of routing policy and firewall filters.
- ✓ Identify instances where you might use routing policy.
- ✓ Write and apply a routing policy.
- ✓ Identify instances where you might use firewall filters.
- ✓ Write and apply a firewall filter.
- ✓ Describe the operation and configuration for unicast reverse path forwarding (RPF).
- ✓ Explain the purpose and benefits of CoS.
- ✓ List and explain the various components of CoS.
- ✓ Implement and verify proper operation of CoS.

Target Audience

This course benefits individuals responsible for configuring and monitoring devices running the Junos OS.

Certification

Recommended preparation for exam(s):

- ✓ Exam code: Juniper Networks Junos Associate (JNCIA-Junos)

Follow on Courses

The following courses are recommended for further study:

- ✓ Junos Intermediate Routing (JIR)
- ✓ Junos Security (JSEC)