



JUNIPER JUNOS PLATFORM INTRODUCTION



Juniper Networks Certified Internet Associate (JNCIA—Junos)
JRE - Juniper Routing Essentials (1 day)
IJOS - Introduction to the Junos Operating System (1 day)

JUNOS Routing Essentials (JRE)

Course Overview

This one-day 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 Software and monitoring basic device operations.

Objectives

- After successfully completing this course, you should 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 class of service (CoS);
- List and explain the various components of CoS; and
- Implement and verify proper operation of CoS.

Target Audience

This course benefits individuals responsible for configuring and monitoring devices running JUNOS Software.

Course Level

Introductory

Prerequisites

Students should:

- have an understanding of the OSI model.
- know the TCP/IP protocol suite

Students should attend the following courses:

- IJOS



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Chapter 1: Course Introduction

Chapter 2: Routing Fundamentals

- Routing Concepts
- Static Routing
- Dynamic Routing
- Lab 1: Routing Fundamentals

Chapter 3: Routing Policy and Firewall Filters

- Routing Policy Overview
- Case Study: Routing Policy
- Lab 2: Routing Policy
- Firewall Filters Overview
- Case Study: Firewall Filters
- Unicast Reverse-Path-Forwarding Checks
- Lab 3: Firewall Filters

Chapter 4: Class of Service

- CoS Overview
- Traffic Classification
- Traffic Queuing
- Traffic Scheduling
- Case Study: CoS
- Lab 4: Class of Service

Cost AUD \$799 inc. GST

For Available Dates & Terms and Conditions see:
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