

JNCIS Enterprise Routing and Switching Certification Boot Camp (JIR, JEX)

JIR-JEX



Delivery Type: Classroom

Duration: 4 days

Overview

In the first half of class, you will review switching concepts and operations, virtual LANs (VLANs), the Spanning Tree Protocol (STP), port and device security features, and high availability (HA) features. In the last half, you will cover protocol-independent routing features, load balancing and filter-based forwarding, Open Shortest Path First (OSPF), Border Gateway Protocol (BGP), and IP tunneling. Your Boot Camp package includes a free JN0-343 exam voucher

Pre-Requisites

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) and Junos Routing Essentials (JRE) courses prior to attending this class.

Objectives

- ✓ After successfully completing this course, you should be able to:
- ✓ Describe typical uses of static, aggregate, and generated routes.
- ✓ Configure and monitor static, aggregate, and generated routes.
- ✓ Explain the purpose of Martian routes and add new entries to the default list.
- ✓ Describe typical uses of routing instances.
- ✓ Configure and share routes between routing instances.
- ✓ Describe load-balancing concepts and operations.
- ✓ Implement and monitor Layer 3 load balancing.
- ✓ Illustrate benefits of filter-based forwarding.
- ✓ Configure and monitor filter-based forwarding.
- ✓ Explain the operations of OSPF.
- ✓ Describe the role of the designated router.
- ✓ List and describe OSPF area types.
- ✓ Configure, monitor, and troubleshoot OSPF.
- ✓ Describe BGP and its basic operations.

- ✓ Name and describe common BGP attributes.
- ✓ List the steps in the BGP route selection algorithm.
- ✓ Describe BGP peering options and the default route advertisement rules.
- ✓ Configure and monitor BGP.

Certification

This course is part of the following programs or tracks:

- ✓ Internet Specialist - Enterprise Routing and Switching (JNCIS-ENT)

✓ **Target Audience**

Network technicians responsible for configuring and monitoring devices running the Junos OS.
Anyone seeking JNCIS-ENT certification