

Junos Intermediate Routing (JIR)

ID JIR **Price** CHF 2,700.—(excl. VAT) **Duration** 3 days

Who should attend

Individuals responsible for configuring and monitoring devices running Junos OS

This course is part of the following Certifications

Juniper Networks Certified Internet Specialist Enterprise Routing & Switching (JNCIS-ENT)
Juniper Networks Certified Internet Specialist Service Provider Routing & Switching (JNCIS-SP)

Prerequisites

- Basic networking knowledge and an understanding of the OSI model and the TCP/IP protocol suite
- Completion of the [Introduction to the Junos Operating System \(IJOS\)](#) course prior to attending this class

Course Content

- Routing Fundamentals
- Protocol Independent Routing
- Fundamentals of OSPF
- Routing Policy
- Deploying OSPF
- IS-IS
- Fundamentals of BGP
- Deploying BGP
- Advanced Routing Policy Features
- Routing Instances
- Load Balancing
- VRRP
- Graceful Restart and Bidirectional Forwarding Detection
- GRES, NSR, and Unified ISSU
- IP Tunneling
- IPv6
- Filter-Based Forwarding (Self-study module)

Course Objectives

- Describe how routes enter a routing table, and how routers choose the best routes for forwarding traffic.
- Implement static routing within Junos OS.
- Describe OSPF within Junos OS.
- Describe how routing policies control what prefixes can enter the routing table and what prefixes can be advertised by protocols.
- Deploy OSPF within Junos OS.
- Implement IS-IS within Junos OS.
- Implement BGP within Junos OS.
- Deploy BGP within Junos OS.
- Describe some important advanced routing policy features and behaviors.
- Implement routing instances within Junos OS.
- Implement load balancing within Junos OS.
- Implement VRRP within Junos OS.
- Implement graceful routing and Bidirectional Forwarding Detection (BFD) within Junos OS.
- Implement high availability features—GRES, NSR, and unified ISSU—within Junos OS.
- Implement IP tunneling within Junos OS.
- Describe IPv6 within Junos OS.
- Implement filter-based forwarding (FBF) within Junos OS.

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Training Centres worldwide



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