

Juniper Networks – Junos Intermediate Routing (JIR)

Juniper Networks: JIR

Junos Intermediate Routing for JNCIS-ENT Exam

About this Course:

- This two-day course provides students with intermediate routing knowledge and configuration examples. The course includes an overview of protocol-independent routing features, load balancing and filter-based forwarding, OSPF, BGP, IP tunneling, and high availability (HA) features. Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and monitoring device operations. This course uses Juniper Networks vSRX 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.
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Course Goals:

- 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.
- Describe IP tunneling concepts and applications.
- Explain the basic operations of generic routing encapsulation (GRE) and IP over IP (IP-IP) tunnels.
- Configure and monitor GRE and IP-IP tunnels.
- Describe various high availability features supported by the Junos OS.
- Configure and monitor some of the highlighted high availability features.

Audience:

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

Course Format:

<input type="checkbox"/>	<input type="checkbox"/>
Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент	Онлайн (Online/Virtual) Курс във виртуална зала с инструктор

Course Language Option

<input type="checkbox"/>	<input type="checkbox"/>
Български (Bulgarian)	Английски (English)

You can choose the language in which the training will be conducted – Bulgarian or English. All our instructors are fluent in English.

Student Guides:



The training materials are available in electronic format. They can be used online / offline on any device. Lifetime access.

Lab Environment:



Each student has their own lab environment where the exercises take place, part of the course. You do not need to install software on a computer or special hardware requirements. Participants in a face-to-face format in our Training Center have an individual computer during the training.

At Course

Completion:

Lifetime Access - Video Archive 24/7	Certificate of Course Completion

Lifetime access to a video archive with recording of each

individual lecture.

Official internationally recognized certificate for completed training course.

Course Duration:



- 2 working days (09:00 – 17:00) or
16 h training (theory and practice) in non-working hours
lasting 2 weeks
Saturday and Sunday 10:00 – 14:00, 14:00 – 18:00, 18:00
– 22:00
Monday and Wednesday 19:00 – 23:00
Tuesday and Thursday 19:00 – 23:00
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Payments:



An application for an invoice is accepted at the time of enrollment in the respective course.

An invoice is issued within 7 days of confirming the payment.

Next Class:



Jun 29

29 June 2026 @ 09:00 - 3 July 2026 @ 17:00 EEST

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

Jul 4

4 July 2026 @ 10:00 - 26 July 2026 @ 14:00 EEST

[Linux Professional Institute LPIC-1 prep for 101-500 and 102-500 \(4 weeks\)](#)

Jul 6

6 July 2026 @ 09:00 - 10 July 2026 @ 17:00 EEST

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

Jul 6

6 July 2026 @ 09:00 - 10 July 2026 @ 17:00 EEST

[EC-Council – Certified Ethical Hacker \(CEHv13 EN\)](#)

Jul 13

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

[View Calendar](#)

For more information, use the contact form.

We will contact you to confirm the dates.

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)* and *Junos Routing Essentials (JRE)* courses prior to attending this class.
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The course prepares for the following certification levels

(This training will prepare for passing the following exams/certifications):

- JN0-348
- You can be certified in our test center.