

Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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JUNIPER Junos Intermediate Routing

Kód: DÉLKA: CENA:

24 Hours (3 DENNÍ) JUN JIR Kč bez DPH 70,000.00

Description

Školení je vedeno virtuálně v anglickém jazyce ve školicím středisku Arrow v Anglii.

Cena školení je 1 495 GBP bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

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 handson 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 21.1R1.11.

Junos Intermediate Routing (JIR) is an intermediate-level course.

Relevant Juniper Product

• Automation • Junos OS • M Series • MX Series • PTX Series • QFX Series • SRX Series • T Series

Cíle

Implement static routing within Junos OS Implement routing instances within Junos OS Describe routing instances Configure and share routes between routing instances Implement load balancing within Junos OS Implement filter-based forwarding within Junos OS Implement OSPF within Junos OS Deploy OSPF within Junos OS Implement BGP within Junos OS Deploy BGP within Junos OS Implement IP tunneling within Junos OS Implement graceful routing and bidirectional forwarding detection within Junos OS Implement high availability features—GRES, NSR, and unified ISSU within Junos OS Implement VRRP within Junos OS Implement IPv6 within Junos

Určeno pro

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

Vstupní znalosti

Basic networking knowledge

Implement IS-IS within Junos OS

An understanding of the Open Systems Interconnection (OSI) reference model, and the TCP/IP protocol suite Complete the Introduction to the Junos Operating System (IJOS) course prior to attending this class

Program

Day 1 Course Introduction Protocol-Independent Routing Configure static routes

Configure aggregate routes

Configure generated routes

Manage martian routes

Routing Instance

Describe routing instances

Configure and share routes between routing instances

LAB 1: Protocol-Independent Routing and Routing Instance

Load Balancing

Describe load-balancing concepts and operations

Implement and monitor layer 3 load balancing

Filter-Based Forwarding

Illustrate benefits of filter-based forwarding

Configure and monitor filter-based forwarding

LAB 2: Load Balancing and Filter-Based Forwarding

Fundamentals of OSPF

Overview of OSPF

Adjacency Formation and the Designated Router Election

OSPF Scalability

Deploying OSPF

Configuring and Monitoring OSPF

Troubleshooting OSPF

LAB 3: Deploying OSPF

Day 2

Fundamentals of BGP

Overview of BGP and BGP Attributes

Deploying BGP

IBGP Versus EBGP

Configuring and Monitoring BGP

LAB 4: BGP

IP Tunneling

Overview of IP Tunneling, GRE and IP-IP Tunnels

Deploy GRE and IP-IP Tunnels

LAB 5: IP Tunneling

GR and BFD

Overview of High Availability Networks and Graceful Restart

Bidirectional forwarding detection

LAB 6: GR and BFD

GRES, NSR, and Unified ISSU

Graceful Routing Engine switchover

Nonstop active routing

Unified ISSU

VRRP

Describe, configure, and monitor VRRP

Please note that the following Appendices are not covered as standard during the training course unless requested by the customer, and agreed with Arrow, upon booking:

Appendix A: IPv6 (Optional)

Describe the differences between IPv4 and IPv6

Explain the IPv6 address format and the different address types

Explain how IPv6 stateless and stateful autoconfigurations work

Configure and monitor IPv6 routing

Implement IPv6-over-IPv4 tunnels

Lab 7: IPv6 (Optional)

Appendix B: IS-IS (Optional)

Overview of IS-IS and IS-IS PDUs

Adjacency Formation and DIS Election

Configuring and Monitoring IS-IS

Basic IS-IS Troubleshooting

Lab 8: IS-IS (Optional)

Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Тур	Garance termínu	CENA
12 Nov 2025	Virtual Classroom	CET	English	Instructor Led Online		Kč bez DPH 70,000.00

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.