Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

Arrow ECS, a.s., 28. října 3390/111a, 702 00 Ostrava

Email: training.ecs.cz@arrow.com
Phone: +420 597 488 811

Junos Intermediate Routing

Kód:	DÉLKA:	CENA:
JUN_JIR	24 Hours (3 DENNÍ)	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 hands-on 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.
Course Level
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
Implement IS-IS within Junos OS

Určeno pro

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

Vstupní znalosti

Basic networking knowledge
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

Termíny školení na vyžádání, kontaktujte nás prosím

Dodatečné informace

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