



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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Kód:	DÉLKA:	CENA:
JUN_JUNJSEC	40 Hours (5 DENNÍ)	Kč bez DPH 90,700.00

## Description

Školení je vedeno virtuálně v anglickém jazyce ve školicím středisku Arrow v Anglii.  
Cena školení je 2 995 GBP bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

This five-day course uses the Junos J-Web, CLI, Junos Space, and other user interfaces to introduce students to the concept of Juniper Connected Security.

Key topics include tasks for advanced security policies, application layer security using the AppSecure suite, IPS rules and custom attack objects, Security Director management, Sky ATP management, JATP management, JSA management, Policy Enforcer management, JIMS management, Juniper Sky Enterprise usage, vSRX and cSRX usage, SSL Proxy configuration, and SRX chassis clustering configuration and troubleshooting.

Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and monitoring basic device operations.

This course is based on Junos OS Release 19.1R1.6, Junos Space 19.1R1, Security Director 19.1R1, JATP 5.0.6.0, JSA v7.3.2, Policy Enforcer 19.1R1, and JIMS 1.1.5R1.

- Security
- Junos OS
- SRX Series

Junos Security (JSEC) is an intermediate-level course. Relevant Juniper Product • vSRX Series

## Cíle

After successfully completing this course, you should be able to:

- Identify security challenges in today's networks.
- Identify products that are incorporated into the Juniper Connected Security solution.
- Explain the value of implementing security solutions.
- Explain how Juniper Connected Security solves the cyber security challenges of the future.
- Explain SRX Series session management.
- Explain Junos ALG functions and when to use them.
- Describe policy logging on the SRX series device.
- Explain security policy scheduling.
- Describe application security theory.
- Explain application signature usage in AppID.
- Describe the AppTrack service.
- Describe the AppFW service.
- Describe the AppQoS service.
- Configure security policies using the AppSecure suite of services.
- Explain unified security policies.
- Describe IPS signatures.
- Configure an IPS policy using pre-defined templates.
- Describe how to update the IPS attack object database.
- Describe IPS rules and rule bases.
- Configure custom attack objects.
- Describe Junos Space and Security Director.
- Configure policy management using Security Director.
- Describe Security Director objects.
- Explain the different licensing options for Sky ATP
- List Sky ATP's features and benefits.
- Configure Sky ATP profiles and enroll an SRX Series device.
- Configure file scanning on Sky ATP.
- Configure Sky ATP to scan email
- Configure GeoIP on Sky ATP.
- Describe the JATP features and benefits
- List the JATP device options.
- Explain the JATP architecture.
- List 3rd party support options for JATP.
- Explain JATP SmartCore analytics processes.
- Describe Policy Enforcer configuration options.
- Describe Policy Enforcer integration with Sky ATP.
- Configure Policy Enforcer to block lateral malware movement.
- Explain Juniper Secure Analytics features and benefits.
- Describe JSA log collection.
- Describe JSA network flow collection.
- Describe the JSA Offense Management workspace.
- Explain the JSA Risk Manager features.
- Configure JSA to collect network and log collection.
- Explain the features of JIMS.
- Describe JIMS integration into the current AD network.
- Describe the Sky Enterprise service and how it can save resources.
- Explain the Sky Enterprise monitoring service.
- Explain the vSRX Series device benefits.
- Describe use cases for the vSRX.
- Explain the cSRX Series device benefits.
- Describe use cases for the cSRX.
- Describe SSL Proxy Concepts.
- Explain Forward and Reverse Proxy and the limitations of each.
- Configure both Forward and Reverse Proxy.
- Troubleshoot SSL Proxy configurations.
- Explain how to cluster the SRX Series.
- Describe chassis cluster interfaces.
- Explain advanced chassis clustering options.
- Configure chassis clustering on the vSRX.
- Troubleshoot chassis clustering on the vSRX.

## Určeno pro

The primary audiences for this course are the following:

- Operators of Juniper Networks security solutions, including network engineers, administrators, support, personnel, and resellers.

## Vstupní znalosti

The following are the prerequisites for this course:

- Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/ IP protocol suite; and
- Successful completion of the Introduction to Junos Security (IJSEC) course.

## Program

LAB 1: CLI Overview		
CLI Overview	Advanced Security Policy	
• User Interface Options	• Session Management	
• Command-Line Interface	• Junos ALGs	
• Initial Configuration	• Policy Scheduling	
Day 1 Course Introduction	• Interface Configuration	• Policy Logging
Application Security Theory	LAB 2: Advanced Security Policy	
• Application ID	Intrusion Detection and Prevention	
• Application Signatures	• IPS Overview	
• App Track	• IPS Policy	
• App Firewall	• Attack Objects	
• App QoS	• IPS Configuration	
• App QoE	• IPS Monitoring	
Application Security Implementation	LAB 3: Application Security	
• AppTrack Implementation		
• AppFW Implementation		
• AppQoS Implementation		
• APBR Implementation		
Security Director		
• Overview		
• Security Director Objects		
LAB 4: Implementing IPS Day 2	• Security Director Policy Management	LAB 5: Security Director
Sky ATP Implementation		
• Architecture and Key Components		
• Features and Benefits		
• Configuration		
• Compromised Hosts		
• Command and Control		
• File Scanning		
• E-mail Scanning		
• Geo IP		
• Security Policy Integration		
• Troubleshooting		
Policy Enforcer		
• Policy Enforcer Concepts		
• Configuration Options		
LAB 6: Sky ATP Implementation	• Policy Enforcer Installation	LAB 7: Policy Enforcer Day 3
JATP Implementation		
• Data Collectors		
• Configure SmartCore Analytics Engine		
• Log Ingestion		
JATP Overview		
• Traffic Inspection		
• Threat Detection		
• Threat Analysis		
• JATP Architecture		
• Incident Management		
• SRX Threat Prevention		
• 3rd Party support for Threat Prevention		
• Reporting		
LAB 8: JATP	• Risk Management	LAB 9: JSA Day 4
Juniper Secure Analytics (JSA)		
• JSA Overview		
• Data Collection		
• Log Analytics		
• Threat Analytics		
• Vulnerability Management		
JIMS		
• JIMS Overview		
• JIMS Integration		
LAB 10: JIMS vSRX and cSRX	• cSRX Overview	LAB 11: vSRX Installation
SSL Proxy		
• SSL Proxy Overview		
• SSL Concepts		
• SSL Proxy Configurations		
• Troubleshooting		
Cluster Concepts		
• Chassis Cluster Concepts		
Chassis Cluster Implementation		
• Chassis Cluster Configuration		
• Chassis Cluster Advanced Options		
LAB 12: SSL Proxy Day 5	• Chassis Cluster Operation	
Chassis Cluster Troubleshooting		
• Chassis Cluster Case Studies		
LAB 13: Chassis Cluster Implementation	• Troubleshooting Examples	LAB 14: Chassis Cluster Troubleshooting
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: Juniper Sky Enterprise		
Appendix B: SRX Series Hardware and Interfaces		

## Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
10 Jun 2024	Virtual Classroom	CEDT	English	Instructor Led Online		Kč bez DPH 90,700.00
23 Sep 2024	Virtual Classroom	CEDT	English	Instructor Led Online		Kč bez DPH 90,700.00
09 Dec 2024	Virtual Classroom	CET	English	Instructor Led Online		Kč bez DPH 90,700.00

## Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)