



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
JUN_JEX	16 Hours (2 DENNÍ)	Kč bez DPH 41,000.00

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 is designed to provide students with intermediate switching knowledge and configuration examples using Junos Enhanced Layer 2 Software. This course includes an overview of switching concepts and operations, virtual LANs (VLANs), the Spanning Tree Protocol (STP), port and device security features, and high availability (HA) features. Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and in monitoring device operations. This course uses Juniper Networks EX4300 Series Ethernet Switches for the hands-on components, but the lab environment does not preclude the course from being applicable to other Juniper hardware platforms running the Junos OS. Optional lab components are available allowing attendees to perform network management and troubleshooting tasks using Junos Space Network Director 3.0. This course is based on Junos OS Release 17.1R1.8.

Course Level Junos Enterprise Switching (JEX) is an intermediate-level course.

Cíle

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

- List the benefits of implementing switched LANs.
- Describe transparent bridging concepts and operations.
- Describe terms and design considerations for switched LANs.
- List enterprise platforms that support Layer 2 switching.
- Configure interfaces for Layer 2 switching operations.
- Display and interpret the Ethernet switching table.
- Explain the concept of a VLAN.
- Describe access and trunk port modes.
- Configure and monitor VLANs.
- Describe voice VLAN and native VLAN concepts.
- Explain inter-VLAN routing operations.
- Configure and monitor inter-VLAN routing.
- Explain when a spanning tree is required.
- Describe STP and Rapid Spanning Tree Protocol (RSTP) operations.
- List some advantages of using RSTP over STP.
- Configure and monitor RSTP.
- Describe the bridge protocol data unit (BPDU), loop, and root protection features.
- Configure and monitor the BPDU, loop, and root protection features.
- List and describe various port security features.
- Configure and monitor port security features.
- Describe the storm control feature.
- Configure and monitor storm control.
- Describe firewall filter support for EX Series Ethernet Switches.
- Implement and monitor the effects of a firewall filter.
- List and describe some features that promote high availability.
- Configure and monitor high availability features.
- Describe the basic concepts and operational details of a virtual chassis.
- Implement a virtual chassis with multiple EX4300 switches.
- Explain the concepts of Ethernet Ring Protection Switching (ERPS).
- Configure and monitor ERPS.
- Explain the concepts of Multiple Spanning Tree Protocol (MSTP).
- Configure and monitor MSTP.
- Discover, configure, and troubleshoot EX Series switches using Junos Space Network Director.

Určeno pro

This course benefits individuals responsible for configuring and monitoring EX Series switches running Junos ELS.

Vstupní znalosti

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) course prior to attending this class.

Program

	Chapter 2: Layer 2 Switching <ul style="list-style-type: none">Ethernet Bridging BasicsTerminology and Design ConsiderationsOverview of Enterprise Switching PlatformsEnabling and Monitoring Layer 2 Switching OperationsEZSetupJunos Space Network Director OverviewJunos Space Network Director Device Discovery	
Day 1 Chapter 1: Course Introduction	Lab 1: Implementing Layer 2 Switching	
Chapter 3: Virtual Networks <ul style="list-style-type: none">Overview of VLANsConfiguring and Monitoring VLANsConfiguring and Deploying Network Director VLAN and Port ProfilesVoice VLANNative VLANRouted VLAN InterfacesLab 2: Implementing Virtual Networks	Chapter 4: Spanning Tree <ul style="list-style-type: none">Spanning Tree ProtocolRapid Spanning Tree ProtocolConfiguring and Monitoring STP and RSTPTroubleshooting STP and RSTPProtection Features: BPDU ProtectionProtection Features: Loop ProtectionProtection Features: Root ProtectionLab 3: Implementing Spanning Tree	Day 2
Chapter 5: Port Security <ul style="list-style-type: none">MAC LimitingPersistent MAC LearningDHCP SnoopingDynamic ARP Inspection (DAI)IP Source GuardMACsecLab 4: Implementing Port Security	Chapter 6: Device Security and Firewall Filters <ul style="list-style-type: none">Storm ControlFirewall FiltersLab 5: Implementing Storm Control and Firewall Filters	
Chapter 7: Virtual Chassis <ul style="list-style-type: none">Overview of Virtual ChassisConfiguring and Monitoring a Virtual ChassisLab 6: Implementing a Virtual Chassis System	Chapter 8: High Availability Features <ul style="list-style-type: none">Overview of High Availability NetworksLink Aggregation GroupsRedundant Trunk GroupsGraceful Routing Engine Switchover (GRES)Nonstop Active Routing (NSR)Nonstop Bridging (NSB)Lab 7: Implementing High Availability Features	
Appendix A: Ethernet Ring Protection Switching	Ethernet Ring Protection Switching (ERPS) Overview <ul style="list-style-type: none">Configuring and Monitoring ERPS	
Appendix B: Multiple Spanning Tree Protocol <ul style="list-style-type: none">Multiple Spanning Tree Protocol (MSTP) OverviewConfiguring and Monitoring MSTP	Appendix C: ELS and Non-ELS Configuration Examples <ul style="list-style-type: none">Switch OptionsIRB and VLAN InterfacesQ-in-Q-Tagging	

Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
02 Dec 2024	Virtual Classroom	CET	English	Instructor Led Online		Kč bez DPH 41,000.00

Dodatečné informace

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