

Plán výuky CNA R&S – Scaling Networks, Connecting Networks

P.č.	Út	Stř	Kapitola	Labs	Packet Tracer (výsledné konfigurace do odevzdávný)
1.	23.2.	24.2.	1-2	2.3.2.3 Lab - Configuring Rapid PVST, PortFast, and BPDU Guard 2.4.3.4 Lab - Configuring HSRP and GLBP	
2.	1.3.	2.3.	3-4	3.2.1.4 Lab - Configuring EtherChannel 4.4.2.3 Lab - Configuring a Wireless Router and Client	3.2.2.3 Packet Tracer - Troubleshooting EtherChannel
3.	8.3.	9.3.	5	5.1.2.13 Lab - Configuring OSPFv2 on a Multiaccess Network 5.1.5.8 Lab - Configuring OSPFv2 Advanced Features	5.1.2.12 Packet Tracer - Determining the DR and BDR 5.1.3.5 Packet Tracer - Propagating a Default Route in OSPFv2
4.	15.3.	16.3.	6	6.2.3.8 Lab - Configuring Multiarea OSPFv2 6.2.3.9 Lab - Configuring Multiarea OSPFv3	
5.	22.3.	23.3.	7-8,9	7.2.2.5 Lab - Configuring Basic EIGRP for IPv4 7.4.3.5 Lab - Configuring Basic EIGRP for IPv6 8.1.5.5 Lab - Configuring Advanced EIGRP for IPv4 Features	8.1.3.4 Packet Tracer - Propagating a Default Route in EIGRP for IPv4 and IPv6
6.	29.3.	30.3.	Test Scaling jen teorie + PT		ScaN Practice Skills Exam OSPF – PT - Samostatně, doma
7.	5.4.	6.4.	1-4	3.3.2.8 Lab - Configuring Basic PPP with Authentication 4.2.2.7 Lab - Configuring Frame Relay and Subinterfaces	1.4.1.2 Packet Tracer - Skills Integration Challenge OSPF
8.	12.4.	13.4.	5	5.2.2.6 Lab - Configuring Dynamic and Static NAT 5.2.3.7 Lab - Configuring Port Address Translation (PAT)	5.4.1.2 Packet Tracer - Skills Integration Challenge
9.	19.4.	20.4.	6	6.3.2.3 Lab - Configuring a Router as a PPPoE Client for DSL Connectivity (z Packet Traceru; bude dodáno i modifikované zadání – bude v něm PPPoE klient a PPPoE server, obojí na Cisco směrovačích.) 7.2.2.5 Lab - Configuring a Point-to-Point GRE VPN Tunnel	
10.	26.4.	27.4.	7	7.1.2.4 Configuring VPNs - IPsec 7.3.2.8 Configuring GRE Over IPsec	7.5.1.2 Packet Tracer - Skills Integration Challenge
11.	3.5.	4.5.	8,9	8.1.2.6 Lab - Configuring Syslog and NTP 8.2.2.4 Lab - Configuring SNMP 8.3.3.3 Lab - Collecting and Analyzing NetFlow Data	9.2.3.12 Packet Tracer - Troubleshooting Enterprise Networks 1 Instructions 9.3.1.2 Packet Tracer - CCNA Skills Integration Challenge Instructions
12.	10.5.	11.5.	Test Connecting teorie+praxe		
13.	17.5.	18.5.	Test Connecting teorie+praxe		

Semestr „Scaling“ bude zakončen pouze teoretickým testem a úkolem v Packet Traceru. Vyřešená zadání vložte do odevzdávný „Řešení - Packet Tracer“

Originální obsahy

Scaling Networks

Chapter 0: Course Introduction Chapter 0: Course Introduction

Chapter 1: Introduction to Scaling Networks Chapter 1: Introduction to Scaling Networks

Chapter 2: LAN Redundancy Chapter 2: LAN Redundancy

Chapter 3: Link Aggregation Chapter 3: Link Aggregation

Chapter 4: Wireless LANs Chapter 4: Wireless LANs

Chapter 5: Adjust and Troubleshoot Single-Area OSPF Chapter 5: Adjust and Troubleshoot Single-Area OSPF

Chapter 6: Multiarea OSPF Chapter 6: Multiarea OSPF

Chapter 7: EIGRP Chapter 7: EIGRP

Chapter 8: EIGRP Advanced Configurations and Troubleshooting Chapter 8: EIGRP Advanced Configurations and Troubleshooting

Chapter 9: IOS Images and Licensing

Connecting Networks

Chapter 0: Course Introduction Chapter 0: Course Introduction

Chapter 1: Hierarchical Network Design Chapter 1: Hierarchical Network Design

Chapter 2: Connecting to the WAN Chapter 2: Connecting to the WAN

Chapter 3: Point-to-Point Connections Chapter 3: Point-to-Point Connections

Chapter 4: Frame Relay Chapter 4: Frame Relay

Chapter 5: Network Address Translation for IPv4 Chapter 5: Network Address Translation for IPv4

Chapter 6: Broadband Solutions Chapter 6: Broadband Solutions

Chapter 7: Securing Site-to-Site Connectivity Chapter 7: Securing Site-to-Site Connectivity

Chapter 8: Monitoring the Network Chapter 8: Monitoring the Network

Chapter 9: Troubleshooting the Network