

Plán výuky – JS 2017/18 - CNA R&S – Scaling Networks, Connecting Networks

P.č.	Út	Stř	Kapitola	Labs	Packet Tracer (výsledné konfigurace do odevzdávný)
1.	20.2.	21.2.	1-3	2.1.4.5 Lab - Configure Extended VLANs, VTP, and DTP 3.3.2.3 Lab - Configuring Rapid PVST+, PortFast, and BPDU Guard	3.1.2.12 Lab - Building a Switched Network with Redundant Links
2.	27.2.	28.2.	3-4	4.2.1.4 Lab - Configuring EtherChannel 4.3.3.4 Lab - Configure HSRP	4.2.2.4 Lab - Troubleshooting EtherChannel
3.	6.3.	7.3.	5-6	6.2.2.5 Lab - Configuring Basic EIGRP for IPv4 6.4.3.5 Lab - Configuring Basic EIGRP for IPv6	
4.	13.3.	14.3.	7-8	7.1.3.6 Lab - Configuring Advanced EIGRP for IPv4 Features 8.2.4.5 Lab - Configuring Basic Single-Area OSPFv2	10.2.3.4 Lab - Troubleshooting Advanced Single-Area OSPFv2
5.	20.3.	21.3.	8-9	8.3.3.6 Lab - Configuring Basic Single-Area OSPFv3 9.2.2.8 Lab - Configuring Multi-area OSPFv2	
6.	27.3.	28.3.	9-10	9.2.2.9 Lab - Configuring Multi-area OSPFv3 10.1.3.5 Lab - Configuring OSPFv2 Advanced Features	10.2.4.5 Lab - Troubleshooting Multiarea OSPFv2 and OSPFv3
7.	3.4.	4.4.	Test Scaling jen teorie		Scaling Networks (Version 6.00) - ScaN OSPF Practice Skills Assessment - PT - Samostatně, doma
8.	10.4.	11.4.	1-2	3.2.2.7 Lab - Configuring a Router as a PPPoE Client for DSL Connectivity 3.4.2.6 Lab - Configuring a Point-to-Point GRE VPN Tunnel	2.3.2.7 Lab - Configuring Basic PPP with Authentication
9.	17.4.	18.4.	3	3.5.3.5 Lab - Configure and Verify eBGP 3.6.1.3 Lab - Configure a Branch Connection	3.2.2.8 Lab - Troubleshoot PPPoE
10.	24.4.	25.4.	4	4.2.2.13 Lab - Configuring and Verifying Extended ACLs 4.3.2.7 Lab - Configuring and Verifying IPv6 ACLs	4.4.2.11 Lab - Troubleshooting ACL Configuration and Placement
11.	1.5.	2.5.	5-8	5.2.2.6 Lab - Configuring SNMP 8.2.1.5 Lab - Configure IP SLA ICMP Echo	
12.	8.5.	9.5.		Závěrečné komplexní cvičení (zadání bude dodáno předem, příprava nutná)	
13.	15.5.	16.5.	Test Connecting teorie+praxe		
14.	22. 5.	23. 5.	Test Connecting teorie+praxe		

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

Obsah semestrů

Scaling Networks

Chapter 1 LAN Design

- Chapter 2 Scaling VLANs
- Chapter 3 STP
- Chapter 4 EtherChannel and HSRP
- Chapter 5 Dynamic Routing
- Chapter 6 EIGRP
- Chapter 7 EIGRP Tuning and Troubleshooting
- Chapter 8 Single-Area OSPF
- Chapter 9 Multiarea OSPF
- Chapter 10 OSPF Tuning and Troubleshooting

Connecting Networks

- Chapter 1 WAN Concepts
- Chapter 2 Point-to-Point Connections
- Chapter 3 Branch Connections
- Chapter 4 Access Control Lists
- Chapter 5 Network Security and Monitoring
- Chapter 6 Quality of Service
- Chapter 7 Network Evolution
- Chapter 8 Network Troubleshooting