## **VLAN** Nastaveni na switchi Vypisy vtp mode transparent show vlan <č> vlan <č> show runnin-config interface show interfaces fa0/1 switchport name <nazev> Nastaveni VLANu na portu (switch) no vlan <č>- smaze 1 vlan show interface trunk interface fa0/1 switchport mode access delete vlan.dat -smaze DB vlanu switchport access vlan <č> Nastaveni trunk portu(switch) interface fa0/3 switchport mode trunk switchport trunk allowed vlan {add,except,none,remove} <č>

RIP (IPv4) (config)# router rip //zapnuti RIPu (config-router)# version 2 //verze 2 (config-router)# network <adresa site> //pro kazdou svou primo pripojenou sit (config-router)# passive-interface <rozhrani> <id> //RIP se nesiri danym rozhrannim (config-router)# default-information originate //siri ripem default cestu, jen pro 1 router, propagovani default cesty do RIP (config)# ip route 0.0.0.0 0.0.0.0 <nextHop> //staticka defaultni cesta RIP-ng (IPv6) (config)# ipv6 router rip <ID procesu> redistribute connected metric 1 //pro přímo připojené sítě redistribuce static metric 1 // statické cesty (např. ::/0) exit (config-router)# interface XY/Z (config-if)# ipv6 rip <ID> enable // povolí RIP na XY/Z (config-if)# ipv6 rip <ID> default-infromation originate //siri ripem default cestu, jen pro 1 router

OSPF (IPv4)		
(config)# router ospf 1		
(config-router)# network <adresa site=""> <wmask> are</wmask></adresa>	a 0 //pro kazdou svou primo pripojenou sit, WMask-negace masky	
(config-router)# passive-interface <rozhrani> <id></id></rozhrani>	//nesiri hello pakety	
(config-router)# default-information originate	//siri ospf default cestu, jen pro 1 router, propagovani default cesty do OSPF	
OSPF v3 (I	Pv6)	
(config)# ipv6 router ospf <č.> redistribute {connected static} metric 1 subnets		
router-id X.Y.Z.A //— ID směrovače, pokud je pouze IPv6 passive-interface AB/C exit		
(config-router)# interface XY/Z		
(config-if)# ipv6 ospf <č.> area 0		

	NAT
Staticky	
(config-if)# ip nat inside	//na portu, za kterym je privatni sit
(config-if)# ip nat outside	//na portu, za kterym je verejna sit

(config)#ip nat inside source s	tatic <local_ip> <global_ip> //pridani zaznamu do tabulky pro</global_ip></local_ip>
	prelozeni
Dynamicky	
(config-if)# ip nat inside	//na portu, za kterym je privatni sit
(config-if)# ip nat outsider	//na portu, za kterym je verejna sit
(config)# ip nat pool <nazev< td=""><td>&gt; <start_ip> <stop_ip> netmask <maska>//definice pool adres(na co</maska></stop_ip></start_ip></td></nazev<>	> <start_ip> <stop_ip> netmask <maska>//definice pool adres(na co</maska></stop_ip></start_ip>
	budu prekladat)
(config)# access-list <acl td="" číslo<=""><td>o 1-99&gt; permit <ip> <wildcard> //vyber prekladanych adres</wildcard></ip></td></acl>	o 1-99> permit <ip> <wildcard> //vyber prekladanych adres</wildcard></ip>
(config)# ip nat inside source	list <acl číslo=""> pool <nazev> [overload] //preklad na adresy z poolu</nazev></acl>
Vypis	
sh ip nat translations	//zobrazeni tabulky prekladu
clear ip nat translations *	//vymazani tabulky