**PC**

sudo service network-manager stop

sudo ip a a (10.0.0.0/24) dev (eth1)

sudo minicom

**switch - vlan**

...vtp mode transparent ˇ vlastní jména VLANů pro přepínačˇ

vlan (čislovlany)

name (nazev)

interface (fa0/1)

switchport mode access

switchport acces vlan (čislovlan)

interface (fa0/1)

switchport mode trunk

...switchport trunk allowed vlan {add | except | none | remove} vlan-list ˇNastavení povolených VLAN (vlan-list) na trunk linceˇ

**switch - ukazky**

show vlan

show interface trunk

show running-config

no vlan (cislovlan)

**router - ukazky**

show ip route

show ip interface brief

show running-config

**router - staticke smerovani - ip4**

ip route (sit) (maska) (dalsi router)

...defaultni cesta 0.0.0.0/0

**router - staticke smerovani - ip6**

interface (fa0/1)

ipv6 address (address/mask)

no shutdown

ipv6 unicast-routing ˇspusteni procesu smerovaniˇ

ipv6 route (adresa/maska) (nexthop)

**router - rip -ipv4**

router rip

version 2

network (adresa site)

passive-interface (fa0/1)

default-information originate ˇpovolení propagování default cesty do RIP (OSPF)ˇ

**router - rip -ipv6**

ipv6 unicast-routing ˇpovoli ipv6 smerovani asiˇ

ipv6 router rip (id procesu)

interface (fa0/1)

ipv6 rip (id) enable ˇdo vsech interfejsuˇ

ipv6 rip (id) default-information originate

**router – ospf –ipv4**

router ospf (cislo procesu)

network (adresa site) (wildcard maska) area 0

passive-interface

default-information originate ˇšíří OSPFem default cestu, jen 1 routerˇ

**router - ospf - ipv6**

ipv6 router ospf (id)

redistribute static metric 1 subnets ˇasi nemusi byt a kdyz tak bez subnetsˇ

router-id (x.y.z.a)

passive-interface (fa0/1)

interface (fa0/1)

ipv6 ospf (id) area 0

**NAT pool**

(config)# ip nat pool netmask

Př.: ip nat pool MujNATPool 20.0.0.1 20.0.0.100 netmask 255.255.255.0

(config)# access-list permit

Př.: access-list 1 permit 10.0.0.0 0.0.0.255

Překlad na adresy z poolu:

(config)# ip nat inside source list pool overload

Př.: ip nat inside source list 1 pool MujNATPool overload

Ukázky:

#sh ip nat translations

Debug výpisy NAT překladu

#debug ip nat