EIGRP + IPv6

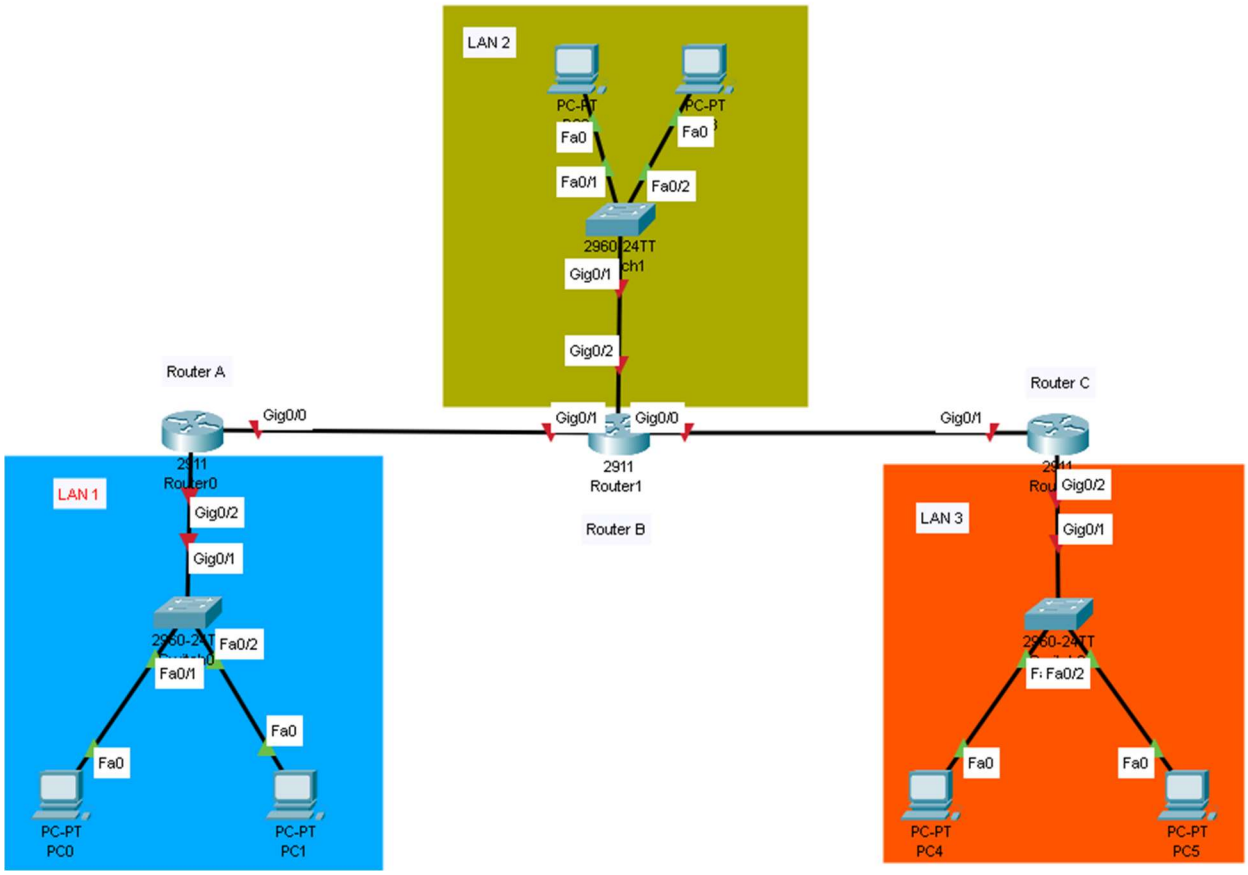
Zařízení:

3x router (2911)

3x switch (2960)

6x PC

Topologie:



Sítě:

- LAN 1: 2001:db8:0:1::/64
  - Router A interface: 2001:db8:0:1::1
- LAN 2: 2001:db8:0:2::/64
  - Router B interface: 2001:db8:0:2::1
- LAN 3: 2001:db8:0:3::1
  - Router C interface: 2001:db8:0:3::1

- Point-to-point A-B: 2001:db8:0:10::/127
    - Router A: 2001:db8:0:10::0
    - Router B: 2001:db8:0:10::1
- Point-to-point B-C: 2001:db8:0:11::/127
    - Router B: 2001:db8:0:11::0
    - Router C: 2001:db8:0:11::1

EIGRP konfigurace

ASN nastavíme na 100. Toto číslo musí být *stejné* u všech routerů.

Router ID na rozdíl od toho musí být *jedinečné* pro každý router. Udává se ve formátu X.X.X.X

Router A:

```
RouterA> enable
RouterA# configure terminal
RouterA(config)# ipv6 unicast-routing
RouterA(config)# ipv6 router eigrp 100
RouterA(config-rtr)# eigrp router-id 1.1.1.1
RouterA(config-rtr)# interface GigabitEthernet0/0
RouterA(config-if)# ipv6 eigrp 100
RouterA(config-if)# interface GigabitEthernet0/2
RouterA(config-if)# ipv6 eigrp 100
RouterA(config-if)# end
RouterA# copy running-config startup-config
```

Router B:

```
RouterB> enable
RouterB# configure terminal
RouterB(config)# ipv6 unicast-routing
RouterB(config)# ipv6 router eigrp 100
RouterB(config-rtr)# eigrp router-id 2.2.2.2
RouterB(config-rtr)# interface GigabitEthernet0/0
RouterB(config-if)# ipv6 eigrp 100
RouterB(config-if)# interface GigabitEthernet0/1
RouterB(config-if)# ipv6 eigrp 100
RouterB(config-if)# interface GigabitEthernet0/2
RouterB(config-if)# ipv6 eigrp 100
RouterB(config-if)# end
```

Router C:

```
RouterC> enable
RouterC# configure terminal
RouterC(config)# ipv6 unicast-routing
RouterC(config)# ipv6 router eigrp 100
RouterC(config-rtr)# eigrp router-id 3.3.3.3
RouterC(config-rtr)# interface GigabitEthernet0/1
RouterC(config-if)# ipv6 eigrp 100
RouterC(config-if)# interface GigabitEthernet0/2
RouterC(config-if)# ipv6 eigrp 100
RouterC(config-if)# end
RouterC# copy running-config startup-config
```