RIP + IPv6

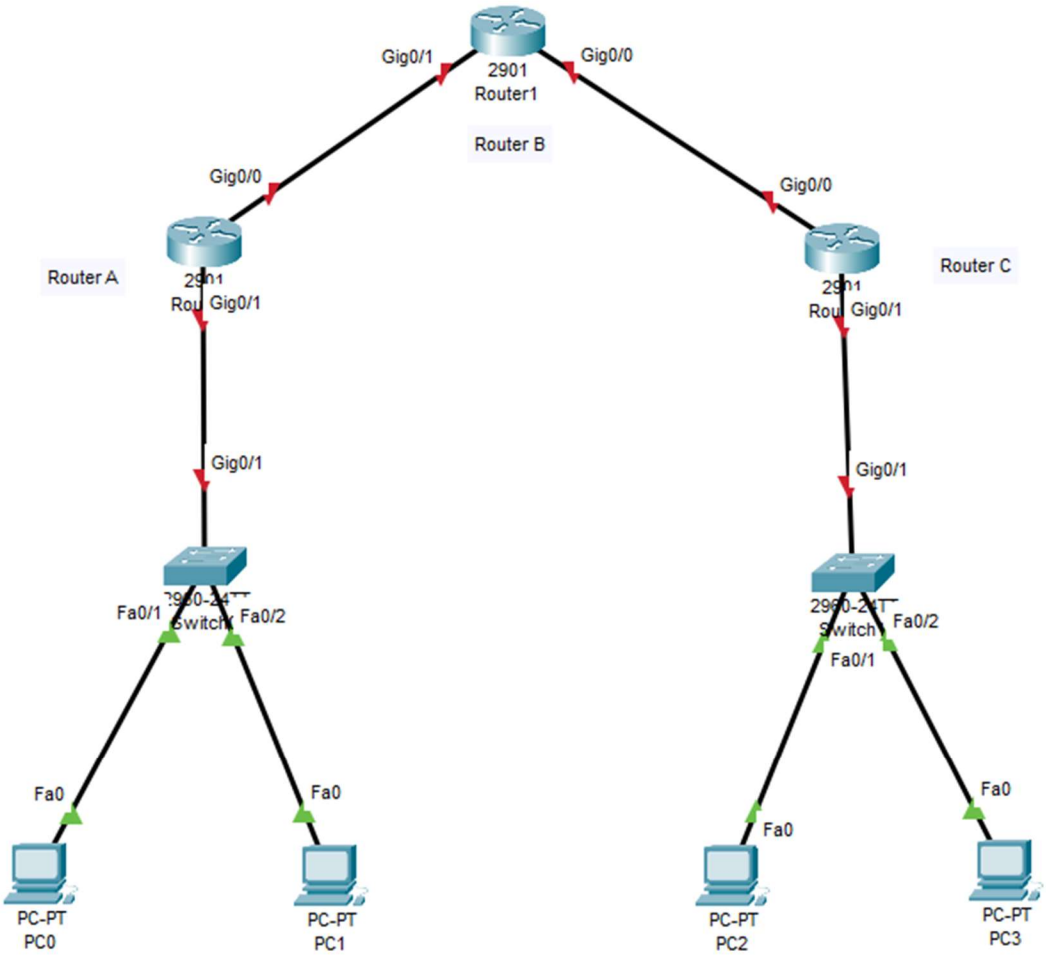
Zařízení:

3x 2901 router

2x 2960 switch

4x PC

Topologie:



Sítě:

- LAN 1 (pc 0 a 1)

    - 2001:db8:0:1::/64
    - PC 0: 2001:db8:0:1::11
    - PC 1: 2001:db8:0:1::12
    - Default gateway (router A): 2001:db8:0:1::1
- LAN 2 (pc 2 a 3)
    - 2001:db8:0:2::/64
    - PC 2: 2001:db8:0:2::21
    - PC 3: 2001:db8:0:2::22
    - Default gateway (router C): 2001:db8:0:2::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

RIPng konfigurace

Použijeme název procesu “NET”.

Router A:

```
RouterA> enable

RouterA# configure terminal

RouterA(config)# ipv6 unicast-routing

RouterA(config)# ipv6 router rip NET

RouterA(config)# interface GigabitEthernet0/1

RouterA(config-if)# ipv6 rip NET enable

RouterA(config-if)# exit

RouterA(config)# interface GigabitEthernet0/0

RouterA(config-if)# ipv6 rip NET enable

RouterA(config-if)# exit

RouterA(config)# exit
```

Router B:

```
RouterB> enable
RouterB# configure terminal
RouterB(config)# ipv6 unicast-routing
RouterB(config)# ipv6 router rip NET
RouterB(config)# interface GigabitEthernet0/1
RouterB(config-if)# ipv6 rip NET enable
RouterB(config-if)# exit
RouterB(config)# interface GigabitEthernet0/0
RouterB(config-if)# ipv6 rip NET enable
RouterB(config-if)# exit
RouterB(config)# exit
```

RouterC:

```
RouterC> enable
RouterC# configure terminal
RouterC(config)# ipv6 unicast-routing
RouterC(config)# ipv6 router rip NET
RouterC(config)# interface GigabitEthernet0/1
RouterC(config-if)# ipv6 rip NET enable
RouterC(config-if)# exit
RouterC(config)# interface GigabitEthernet0/0
RouterC(config-if)# ipv6 rip NET enable
RouterC(config-if)# exit
RouterC(config)# exit
```