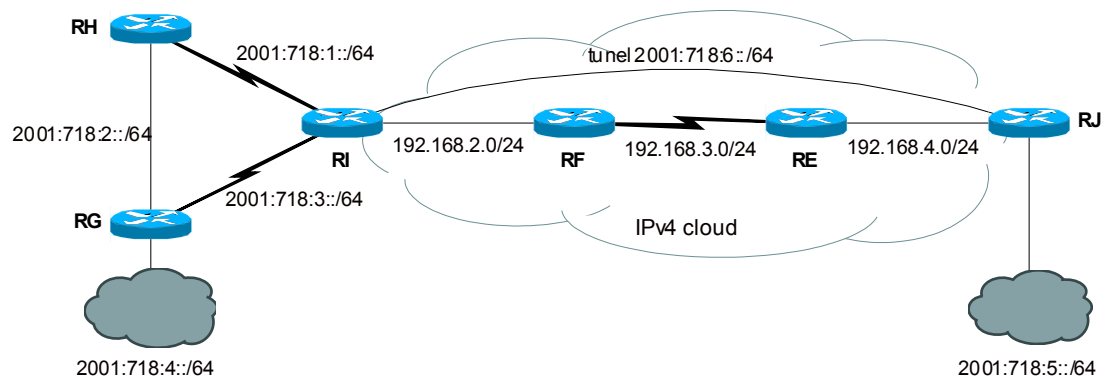


Konfigurace IPv6 na směrovačích Cisco



RE (pouze IPv4):

```
enable
configure terminal
  hostname RE
  interface ethernet 0
    ip address 192.168.4.1 255.255.255.0
    no shutdown
  exit
  interface serial 0
    ip address 192.168.3.2 255.255.255.0
    clock rate 4000000
    no shutdown
  exit
  router rip
    network 192.168.3.0
    network 192.168.4.0
  exit
exit
exit
```

RF (pouze IPv4):

```
enable
configure terminal
  hostname RF
  interface ethernet 0
    ip address 192.168.2.2 255.255.255.0
    no shutdown
  exit
  interface serial 0
    ip address 192.168.3.1 255.255.255.0
    no shutdown
  exit
  router rip
    network 192.168.2.0
    network 192.168.3.0
  exit
exit
exit
```

RH (pouze IPv6, RIPng):

```
enable
configure terminal
  hostname RH
  ipv6 unicast-routing
  interface fastEthernet 0
    no ip address
    ipv6 address 2001:718:2::1/64
    ipv6 rip test enable
  exit
  interface serial 0
    no ip address
    ipv6 address 2001:718:1::1/64
    ipv6 rip test enable
    clock rate 4000000
    no shutdown
  exit
  ipv6 router rip test
  exit
exit
exit
```

RG (pouze IPv6, RIPng, redistribuce, ND prefix advertisement):

```
enable
configure terminal
  hostname RG
  ipv6 unicast-routing
  interface fastEthernet 0/0
    no ip address
    ipv6 address 2001:718:2::2/64
    ipv6 rip test enable
    no shutdown
  exit
  interface fastEthernet 0/1
    no ip address
    ipv6 address 2001:718:4::1/64
    ipv6 nd prefix-advertisement 2001:718:4::/64 300 300 autoconfig
    ipv6 nd ra-interval 10
    no shutdown
  exit
  interface serial 1/0
    no ip address
    ipv6 address 2001:718:3::1/64
    ipv6 rip test enable
    clock rate 128000
    no shutdown
  exit
  ipv6 router rip test
    redistribute connected
  exit
exit
exit
```

RI (IPv4, IPv6, RIPng, redistribuce, static route, IPv6 over IPv4 tunnel):

```
enable
configure terminal
  hostname RI
  ipv6 unicast-routing
  interface ethernet 0
    ip address 192.168.2.1 255.255.255.0
    no shutdown
    exit
  interface serial 0
    no ip address
    ipv6 address 2001:718:1::2/64
    ipv6 rip test enable
    no shutdown
    exit
  interface serial 1
    no ip address
    ipv6 address 2001:718:3::2/64
    ipv6 rip test enable
    no shutdown
    exit
  interface tunnel 0
    no ip address
    ipv6 address 2001:718:6::1/64
    tunnel source ethernet 0
    tunnel destination 192.168.4.2
    no shutdown
    exit
  ipv6 route 2001:718:5::/64 tunnel 0
  router rip
    network 192.168.2.0
    exit
  ipv6 router rip test
    redistribute connected
    redistribute static
    exit
  exit
exit
```

RJ (IPv4, IPv6, default gateway, IPv6 over IPv4 tunnel):

```
enable
configure terminal
  hostname RJ
  ipv6 unicast-routing
  interface ethernet 1
    no ip address
    ipv6 address 2001:718:5::1/64
    ipv6 nd prefix-advertisement 2001:718:5::/64 300 300 autoconfig
    ipv6 nd ra-interval 10
    no shutdown
  exit
  interface ethernet 0
    ip address 192.168.4.2 255.255.255.0
    no shutdown
  exit
  interface tunnel 0
    no ip address
    ipv6 address 2001:718:6::2/64
    tunnel source ethernet 0
    tunnel destination 192.168.2.1
    no shutdown
  exit
  ipv6 route ::/0 2001:718:6::1
  router rip
    network 192.168.4.0
  exit
exit
exit
```

Související příkazy (použití v „privileged EXEC mode“):

```
show ipv6 interface
sh ipv6 route [rip]
ping <ipv6_address>
traceroute <ipv6_address>
```