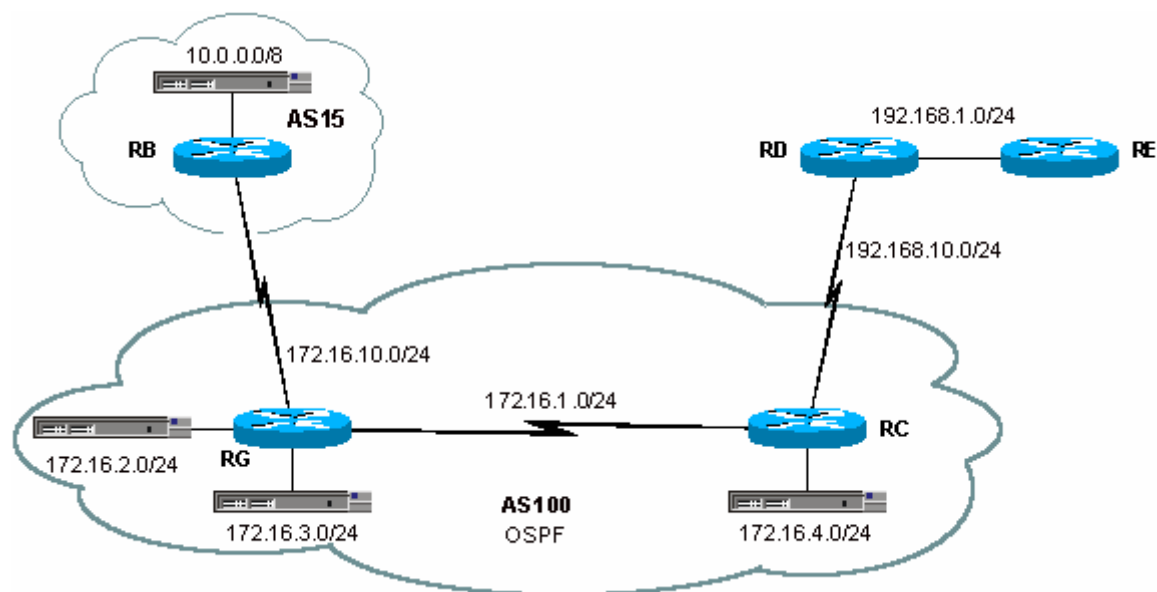


Redistribuce mezi BGP a IGP



Autonomní systém AS100 je připojen k Internetu přes AS15. Mezi routery **RB** a **RG** je nakonfigurován externí BGP. Tím se do AS15 exportují routy z AS100.

V AS100 se jako IGP používá protokol OSPF. Routovací informace z něj se redistribuují do BGP. Default routa pro AS100 je generována routerem **RG**.

Mezi routery **RC**, **RD** a **RE** se používá protokol IGRP, routy z něj se redistribuují do OSPF. Router **RD** má staticky nastavený default směřující na **RC**, který posílá routeru **RE**.

Router RB:

```
int e0
  ip address 10.0.0.1 255.0.0.0
int s0
  ip address 172.16.10.1 255.255.255.0
  clock rate 64000
router bgp 15
  neighbor 172.16.10.2 remote-as 100
  network 10.0.0.0
```

Router RG:

```
int f0/0
  ip address 172.16.2.1 255.255.255.0
int f0/1
  ip address 172.16.3.1 255.255.255.0
int s1/0
  ip address 172.16.10.2 255.255.255.0
int s1/1
  ip address 172.16.1.1 255.255.255.0
  clock rate 128000
router ospf 1
  network 172.16.0.0 0.0.255.255 area 0
  passive-interface s1/0
  default-information originate always
```

```
router bgp 100
  neighbor 172.16.10.1 remote-as 15
  redistribute ospf 1 match internal external 2
  no auto-summary
```

Router RC:

```
int e0
  ip address 172.16.4.1 255.255.255.0
int s0
  ip address 172.16.1.2 255.255.255.0
int s1
  ip address 192.168.10.1 255.255.255.0
  clock rate 64000
router ospf 1
  network 172.16.0.0 0.0.255.255 area 0
  redistribute igrp 1 subnets
router igrp 1
  network 192.168.10.0
  passive-interface s1
```

Router RD:

```
int e0
  ip address 192.168.1.1 255.255.255.0
int s0
  ip address 192.168.10.2 255.255.255.0
router igrp 1
  network 192.168.10.0
  network 192.168.1.0
ip route 0.0.0.0 0.0.0.0 192.168.10.1
default-network 192.168.10.0
```

Router RE:

```
int e0
  ip address 192.168.1.2 255.255.255.0
router igrp 1
  network 192.168.1.0
```

Odfiltrujte z rout exportovaných routerem **RG** do AS15 pomocí BGP síť 172.16.3.0.

```
router bgp 100
  neighbor 172.16.10.1 remote-as 15
  neighbor 172.16.10.1 route-map mujfiltr out
  redistribute ospf 1 match internal external 2
  no auto-summary
route-map mujfiltr deny 10
  match ip address 1
route-map mujfiltr permit 20
access-list 1 permit 172.16.3.0 0.0.0.255

clear ip bgp *
```