**BGP**

**ISP**

router bgp 5483

bgp router-id 1.1.1.1

neighbor PEERK peer-group

neighbor PEERSZ peer-group

neighbor PEERD peer-group

neighbor 203.5.100.34 remote-as 65001

neighbor 203.5.100.38 remote-as 65002

neighbor 203.5.100.42 remote-as 65003

neighbor 2001:db8:baba:ab12::2 remote-as 65001

neighbor 2001:db8:baba:c112::2 remote-as 65002

neighbor 2001:db8:baba:ba12::2 remote-as 65003

neighbor 2001:db8:baba:ab12::2 peer-group PEERK

neighbor 2001:db8:baba:c112::2 peer-group PEERD

neighbor 2001:db8:baba:ba12::2 peer-group PEERSZ

address-family ipv4

neighbor 203.5.100.34 activate

neighbor 203.5.100.38 activate

neighbor 203.5.100.42 activate

neighbor 2001:db8:baba:ab12::2 activate

neighbor 2001:db8:baba:c112::2 activate

neighbor 2001:db8:baba:ba12::2 activate

address-family ipv6

neighbor 2001:db8:baba:ab12::2 activate

neighbor 2001:db8:baba:c112::2 activate

neighbor 2001:db8:baba:ba12::2 activate

neighbor 203.5.100.34 activate

neighbor 203.5.100.38 activate

neighbor 203.5.100.42 activate

**Központ**

router bgp 65001

neighbor PEERK peer-group

neighbor 203.5.100.33 remote-as 5483

neighbor 2001:db8:baba:ab12::1 remote-as 5483

neighbor 2001:db8:baba:ab12::1 peer-group PEERK

address-family ipv4

neighbor 203.5.100.33 activate

neighbor 2001:db8:baba:ab12::1 activate

network 203.55.100.0 mask 255.255.255.240

address-family ipv6

neighbor 203.5.100.33 activate

neighbor 2001:db8:baba:ab12::1 activate

network 2001:db8:c1c1:ab00::/56

exit

ipv6 route ::/0 2001:db8:baba:ab12::1

**Debrecen**

router bgp 65002

neighbor PEERD peer-group

neighbor 203.5.100.37 remote-as 5483

neighbor 2001:db8:baba:c112::1 remote-as 5483

neighbor 2001:db8:baba:c112::1 peer-group PEERD

address-family ipv4

neighbor 203.5.100.37 activate

neighbor 2001:db8:baba:c112::1 activate

network 203.55.100.16 mask 255.255.255.248

address-family ipv6

neighbor 203.5.100.37 activate

neighbor 2001:db8:baba:c112::1 activate

network 2001:db8:c1c1:c100::/56

exit

ipv6 route ::/0 2001:db8:baba:c112::1

**Szeged**

router bgp 65003

neighbor PEERSZ peer-group

neighbor 203.5.100.41 remote-as 5483

neighbor 2001:db8:baba:ba12::1 remote-as 5483

neighbor 2001:db8:baba:ba12::1 peer-group PEERSZ

address-family ipv4

neighbor 203.5.100.41 activate

neighbor 2001:db8:baba:ba12::1 activate

network 203.55.100.24 mask 255.255.255.248

address-family ipv6

neighbor 2001:db8:baba:ba12::1 activate

neighbor 203.5.100.41 activate

network 2001:db8:c1c1:ba00::/56

exit

ipv6 route ::/0 2001:db8:baba:ba12::1

**PPPoE**

**Server**

int gig0/0

no shu

exit

username KKK-IR password DXl2hucBm2

interface Virtual-Template1

mtu 1492

ip address 203.5.100.33 255.255.255.252

ppp authentication chap

no shu

exit

bba-group pppoe KKK-IR

virtual-template 1

exit

interface gig0/0

ipv6 address fe80:ab12::1 link-local

ipv6 address 2001:db8:baba:ab12::1/64

pppoe enable Group KKK-IR

exit

int gig0/1

no shu

exit

username SZE-KKK-IR password RJmP8JciAb

interface Virtual-Template2

mtu 1492

ip address 203.5.100.41 255.255.255.252

ppp authentication chap

no shu

exit

bba-group pppoe SZE-KKK-IR

virtual-template 2

exit

interface gig0/1

pppoe enable Group SZE-KKK-IR

ipv6 address fe80:ba12::1 link-local

ipv6 address 2001:db8:baba:ba12::1/64

exit

int gig0/2

no shu

exit

username DEB-KKK-IR password A3SnLFYINU

interface Virtual-Template3

mtu 1492

ip address 203.5.100.37 255.255.255.252

ppp authentication chap

no shu

exit

bba-group pppoe DEB-KKK-IR

virtual-template 3

exit

interface gig0/2

ipv6 address fe80:c112::1 link-local

ipv6 address 2001:db8:baba:c112::1/64

pppoe enable Group DEB-KKK-IR

exit

**Client**

**KKK-IR:**

int gig0/0

no shu

exit

hostname KKK-IR

interface Dialer1

mtu 1492

ip address 203.5.100.34 255.255.255.252

encapsulation PPP

dialer pool 1

ppp chap password DXl2hucBm2

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/0

no ip address

ipv6 address fe80:ab12::2 link-local

ipv6 address 2001:db8:baba:ab12::2/64

pppoe-client dial-pool-number 1

exit

**DEB-KKK-IR:**

int gig0/1

no shu

exit

hostname DEB-KKK-IR

interface Dialer1

mtu 1492

ip address 203.5.100.38 255.255.255.252

encapsulation PPP

dialer pool 1

ppp chap password A3SnLFYINU

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/1

no ip address

ipv6 address fe80:c112::2 link-local

ipv6 address 2001:db8:baba:c112::2/64

pppoe-client dial-pool-number 1

exit

**SZE-KKK-IR:**

int gig0/1

no shu

exit

hostname SZE-KKK-IR

interface Dialer1

mtu 1492

ip address 203.5.100.42 255.255.255.252

encapsulation PPP

dialer pool 1

ppp chap password RJmP8JciAb

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/1

no ip address

ipv6 address fe80:ba12::2 link-local

ipv6 address 2001:db8:baba:ba12::2/64

pppoe-client dial-pool-number 1

exit

**NAT**

**Szeged**

ip access-list standard NAT

permit 10.23.0.0 0.0.255.255

exit

ip nat pool NAT 203.55.100.25 203.55.100.30 netmask 255.255.255.248

ip nat inside source list NAT pool NAT overload

int dialer 1

ip nat outside

exit

int gig0/3

ip nat inside

no shu

exit

**Debrecen**

ip access-list standard NAT

permit 10.37.0.0 0.0.255.255

exit

ip nat pool NAT 203.55.100.17 203.55.100.22 netmask 255.255.255.248

ip nat inside source list NAT pool NAT overload

int dialer 1

ip nat outside

exit

int gig0/3

ip nat inside

no shu

exit

**Budapest**

ip access-list standard NAT

permit 10.11.0.0 0.0.255.255

exit

ip nat pool NAT 203.55.100.2 203.55.100.14 netmask 255.255.255.240

ip nat inside source list NAT pool NAT overload

ip nat inside source static 10.11.199.2 203.55.100.1

int dialer 1

ip nat outside

exit

int range gig0/1-3

ip nat inside

no shu

exit