**BGP**

**ISP**

router bgp 5483

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

ipv6 address fe80:ab12::1 link-local

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

ppp authentication chap

no shu

exit

bba-group pppoe KKK-IR

virtual-template 1

exit

interface gig0/0

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

ipv6 address fe80:ba12::1 link-local

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

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

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

ipv6 address fe80:c112::1 link-local

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

ppp authentication chap

no shu

exit

bba-group pppoe DEB-KKK-IR

virtual-template 3

exit

interface gig0/2

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

ipv6 address fe80:ab12::2 link-local

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

encapsulation PPP

dialer pool 1

ppp chap password DXl2hucBm2

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/0

no ip address

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

ipv6 address fe80:c112::2 link-local

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

encapsulation PPP

dialer pool 1

ppp chap password A3SnLFYINU

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/1

no ip address

pppoe-client dial-pool-number 1

exit

**SZE-KKK-IR:**

int gig0/2

no shu

exit

hostname SZE-KKK-IR

interface Dialer1

mtu 1492

ip address 203.5.100.42 255.255.255.252

ipv6 address fe80:ba12::2 link-local

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

encapsulation PPP

dialer pool 1

ppp chap password RJmP8JciAb

ppp ipcp route default

no shu

exit

interface GigabitEthernet0/2

no ip address

pppoe-client dial-pool-number 1

exit