***Nagy Iskola***

**SW1:**

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SW1

!

boot-start-marker

boot-end-marker

!

!

enable secret 5 $1$tprr$9H5PJN45c60G8MbOKHyk50

!

username admin privilege 15 secret 5 $1$18hl$Wh5dPdIVV4YSAXG5YVWl51

no aaa new-model

!

!

!

!

!

!

!

!

ip domain-name ceg.hu

ip cef

no ipv6 cef

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

!

!

!

!

!

!

!

!

!

!

!

interface Port-channel1

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface Port-channel3

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface GigabitEthernet0/0

media-type rj45

negotiation auto

!

interface GigabitEthernet0/1

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/3

media-type rj45

negotiation auto

!

interface GigabitEthernet1/0

switchport access vlan 10

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/1

switchport access vlan 40

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/2

media-type rj45

negotiation auto

!

interface GigabitEthernet1/3

media-type rj45

negotiation auto

!

interface GigabitEthernet2/0

media-type rj45

negotiation auto

!

interface GigabitEthernet2/1

media-type rj45

negotiation auto

!

interface GigabitEthernet2/2

media-type rj45

negotiation auto

!

interface GigabitEthernet2/3

media-type rj45

negotiation auto

!

interface GigabitEthernet3/0

media-type rj45

negotiation auto

!

interface GigabitEthernet3/1

media-type rj45

negotiation auto

!

interface GigabitEthernet3/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

interface GigabitEthernet3/3

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

ip default-gateway 192.168.1.1

ip forward-protocol nd

!

no ip http server

no ip http secure-server

!

!

!

!

!

!

control-plane

!

**R1:**

!

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname Router

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

ip address 192.168.1.5 255.255.255.0

ip nat inside

ip virtual-reassembly

duplex auto

speed auto

!

interface Serial0/0

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/1

no ip address

shutdown

clock rate 2000000

!

interface Serial0/2

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial2/0

ip address 209.100.100.1 255.255.255.0

ip nat outside

ip virtual-reassembly

serial restart-delay 0

!

interface Serial2/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/3

no ip address

shutdown

serial restart-delay 0

!

router ospf 10

router-id 1.1.1.1

log-adjacency-changes

passive-interface FastEthernet0/0

network 192.168.10.0 0.0.0.255 area 0

network 192.168.20.0 0.0.0.255 area 0

network 192.168.30.0 0.0.0.255 area 0

network 192.168.40.0 0.0.0.255 area 0

network 192.168.50.0 0.0.0.255 area 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip nat inside source list 1 interface Serial2/0 overload

!

access-list 1 permit 192.168.10.0 0.0.0.255

access-list 1 permit 192.168.20.0 0.0.0.255

access-list 1 permit 192.168.30.0 0.0.0.255

access-list 1 permit 192.168.40.0 0.0.0.255

access-list 1 permit 192.168.50.0 0.0.0.255

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

login

!

!

end

**Layer:**

!

! Last configuration change at 15:28:40 UTC Thu Apr 13 2023

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname Layer

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

!

!

!

!

!

!

!

!

ip domain-name ceg.hu

ip cef

no ipv6 cef

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

!

!

!

!

!

!

!

!

!

!

!

interface Port-channel1

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface Port-channel2

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface GigabitEthernet0/0

media-type rj45

negotiation auto

!

interface GigabitEthernet0/1

switchport trunk allowed vlan 10,20,30,40,50,129

switchport trunk native vlan 129

switchport port-security maximum 2

switchport port-security mac-address sticky

media-type rj45

negotiation auto

!

interface GigabitEthernet0/2

switchport access vlan 50

switchport mode access

switchport nonegotiate

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet0/3

media-type rj45

negotiation auto

!

interface GigabitEthernet1/0

media-type rj45

negotiation auto

!

interface GigabitEthernet1/1

media-type rj45

negotiation auto

!

interface GigabitEthernet1/2

media-type rj45

negotiation auto

!

interface GigabitEthernet1/3

media-type rj45

negotiation auto

!

interface GigabitEthernet2/0

media-type rj45

negotiation auto

!

interface GigabitEthernet2/1

media-type rj45

negotiation auto

!

interface GigabitEthernet2/2

media-type rj45

negotiation auto

!

interface GigabitEthernet2/3

media-type rj45

negotiation auto

!

interface GigabitEthernet3/0

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 2 mode on

!

interface GigabitEthernet3/1

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 2 mode on

!

interface GigabitEthernet3/2

no switchport

no ip address

negotiation auto

!

interface GigabitEthernet3/3

no switchport

no ip address

negotiation auto

!

interface Vlan10

ip address 192.168.10.1 255.255.255.0

ip helper-address 192.168.50.2

!

interface Vlan20

ip address 192.168.20.1 255.255.255.0

ip helper-address 192.168.50.2

!

interface Vlan30

ip address 192.168.30.1 255.255.255.0

ip helper-address 192.168.50.2

!

interface Vlan40

ip address 192.168.40.1 255.255.255.0

ip helper-address 192.168.50.2

!

interface Vlan50

ip address 192.168.50.1 255.255.255.0

shutdown

!

interface Vlan60

ip address 192.168.60.1 255.255.255.0

ip helper-address 192.168.50.2

!

interface Vlan129

ip address 192.168.72.1 255.255.255.0

shutdown

!

ip default-gateway 192.168.1.1

ip forward-protocol nd

!

no ip http server

no ip http secure-server

**ISP:**

!

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname ISP

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/1

no ip address

shutdown

clock rate 2000000

!

interface Serial0/2

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial2/0

ip address 209.100.100.1 255.255.255.0

serial restart-delay 0

!

interface Serial2/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/3

no ip address

shutdown

serial restart-delay 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

login

!

!

end

**SW2:**

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SW1

!

boot-start-marker

boot-end-marker

!

!

enable secret 5 $1$tprr$9H5PJN45c60G8MbOKHyk50

!

username admin privilege 15 secret 5 $1$18hl$Wh5dPdIVV4YSAXG5YVWl51

no aaa new-model

!

!

!

!

!

!

!

!

ip domain-name ceg.hu

ip cef

no ipv6 cef

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

!

!

!

!

!

!

!

!

!

!

!

interface Port-channel1

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface Port-channel3

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface GigabitEthernet0/0

media-type rj45

negotiation auto

!

interface GigabitEthernet0/1

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/3

media-type rj45

negotiation auto

!

interface GigabitEthernet1/0

switchport access vlan 10

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/1

switchport access vlan 40

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/2

media-type rj45

negotiation auto

!

interface GigabitEthernet1/3

media-type rj45

negotiation auto

!

interface GigabitEthernet2/0

media-type rj45

negotiation auto

!

interface GigabitEthernet2/1

media-type rj45

negotiation auto

!

interface GigabitEthernet2/2

media-type rj45

negotiation auto

!

interface GigabitEthernet2/3

media-type rj45

negotiation auto

!

interface GigabitEthernet3/0

media-type rj45

negotiation auto

!

interface GigabitEthernet3/1

media-type rj45

negotiation auto

!

interface GigabitEthernet3/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

interface GigabitEthernet3/3

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

ip default-gateway 192.168.1.1

ip forward-protocol nd

!

no ip http server

no ip http secure-server

!

!

!

!

!

!

control-plane

!

**Kollégium**

**SW:**

!

version 15.2

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

service compress-config

!

hostname SW1

!

boot-start-marker

boot-end-marker

!

!

enable secret 5 $1$tprr$9H5PJN45c60G8MbOKHyk50

!

username admin privilege 15 secret 5 $1$18hl$Wh5dPdIVV4YSAXG5YVWl51

no aaa new-model

!

!

!

!

!

!

!

!

ip domain-name ceg.hu

ip cef

no ipv6 cef

!

!

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

!

!

!

!

!

!

!

!

!

!

!

interface Port-channel1

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface Port-channel3

switchport trunk encapsulation dot1q

switchport mode trunk

!

interface GigabitEthernet0/0

media-type rj45

negotiation auto

!

interface GigabitEthernet0/1

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 1 mode on

!

interface GigabitEthernet0/3

media-type rj45

negotiation auto

!

interface GigabitEthernet1/0

switchport access vlan 10

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/1

switchport access vlan 40

switchport mode access

switchport port-security maximum 2

switchport port-security mac-address sticky

switchport port-security

media-type rj45

negotiation auto

!

interface GigabitEthernet1/2

media-type rj45

negotiation auto

!

interface GigabitEthernet1/3

media-type rj45

negotiation auto

!

interface GigabitEthernet2/0

media-type rj45

negotiation auto

!

interface GigabitEthernet2/1

media-type rj45

negotiation auto

!

interface GigabitEthernet2/2

media-type rj45

negotiation auto

!

interface GigabitEthernet2/3

media-type rj45

negotiation auto

!

interface GigabitEthernet3/0

media-type rj45

negotiation auto

!

interface GigabitEthernet3/1

media-type rj45

negotiation auto

!

interface GigabitEthernet3/2

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

interface GigabitEthernet3/3

switchport trunk encapsulation dot1q

switchport mode trunk

media-type rj45

negotiation auto

channel-group 3 mode on

!

ip default-gateway 192.168.1.1

ip forward-protocol nd

!

no ip http server

no ip http secure-server

!

!

!

!

!

!

control-plane

!

**R1:**

!

!

!

!

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname ISP

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/1

no ip address

shutdown

clock rate 2000000

!

interface Serial0/2

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial2/0

ip address 209.100.100.1 255.255.255.0

serial restart-delay 0

!

interface Serial2/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/3

no ip address

shutdown

serial restart-delay 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

login

!

!

end

**R2:**

!

!

!

!

!

version 12.4

service timestamps debug datetime msec

service timestamps log datetime msec

no service password-encryption

!

hostname ISP

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

memory-size iomem 5

no ip icmp rate-limit unreachable

ip cef

!

!

!

!

no ip domain lookup

ip auth-proxy max-nodata-conns 3

ip admission max-nodata-conns 3

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

!

ip tcp synwait-time 5

!

!

!

!

!

interface FastEthernet0/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/0

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet0/1

no ip address

shutdown

duplex auto

speed auto

!

interface Serial0/1

no ip address

shutdown

clock rate 2000000

!

interface Serial0/2

no ip address

shutdown

clock rate 2000000

!

interface FastEthernet1/0

no ip address

shutdown

duplex auto

speed auto

!

interface Serial2/0

ip address 209.100.100.1 255.255.255.0

serial restart-delay 0

!

interface Serial2/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/3

no ip address

shutdown

serial restart-delay 0

!

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

!

no cdp log mismatch duplex

!

!

!

control-plane

!

!

!

!

!

!

!

!

!

!

line con 0

exec-timeout 0 0

privilege level 15

logging synchronous

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

login

!

!

end