

ALAPBEÁLLÍTÁSOK

enable jelszó, enable titkos jelszó, jelszótitkosítás, konzol-jelszó, vty jelszó, MOTD üzenet, alapértelmezett átjáró, IP cím 192.168.1.2/24

```
enable password jelszo
enable secret jelszo
service password-encryption
line console 0
password cisco
login
exit
line vty 0 15
password cisco
login
exit
banner motd #Sajat felelossegre#
ip default-gateway 192.168.1.254
interface vlan 1
ip address 192.168.1.2 255.255.255.0
no shutdown
exit
```

VTP

Sw1 server, Sw2 client Fa0/24 trönk, Fa0/1-10 acces, Vlan10

```
SW1
vtp domain acsj
vtp password cisco
vtp version 2
vtp mode server
vlan 10
name vlan10
exit
interface fastEthernet 0/24
switchport mode trunk
exit
```

```
SW2
vtp domain acsj
vtp password cisco
vtp version 2
vtp mode client
interface fastEthernet 0/24
switchport mode trunk
exit
interface range fastEthernet 0/1-10
switchport mode acces
switchport access vlan 10
exit
```

Vlan 10 Fa0/24 trönk Fa0/1-10 Vlan10

```
vlan 10
name 10
exit
interface fastEthernet 0/24
switchport mode trunk
switchport trunk allowed vlan 10
no shutdown
exit
interface range fastEthernet 0/1-10
switchport mode access
switchport access vlan 10
no shutdown
exit
```

Portbiztonság fa0/1-10 (max 1 cím, portelkapás, portfigyelés)

```
interface range fastEthernet 0/1 – 10
switchport mode access
switchport port-security
switchport port-security maximum 1
switchport port-security mac-address sticky
switchport port-security violation protect
exit
```

TELNET hozzáférés

```
hostname Sw1
enable secret cisco
interface vlan 1
ip address 192.168.1.1 255.255.255.0
no shutdown
exit
line vty 0
password cisco
login
exec-timeout 2 30
logging synchronous
motd-banner
exit
```

SSH hozzáférés

```
hostname Sw1
interface vlan 1
ip address 192.168.20.100 255.255.255.0
no shutdown
exit
ip domain-name pzoli.local
username admin privilege 15 password cisco
crypto key generate rsa
ip ssh version 2
line vty 0 15
login local
transport input ssh
privilege level 15
exit
```

Forgalomirányító

DHCP

```
ip dhcp excluded-address 192.168.1.1 192.168.1.10
ip dhcp excluded-address 192.168.1.254
ip dhcp pool pool-nev
network 192.168.1.0 255.255.255.0
default-router 192.168.1.254
dns-server 192.168.10.1
exit
```

Statikus forgalomirányítás

Következő ugrás IP címe:

```
ip route 192.168.1.0 255.255.255.0 172.16.1.254
```

Kimenő interfész

```
ip route 192.168.1.0 255.255.255.0 serial 0/0/0
```

Lebegő statikus útvonal IPv4:

```
ip route 10.0.0.0 255.255.255.0 serial 0/0/0 150
```

Alapértelmezett statikus útvonal

```
ip route 0.0.0.0 0.0.0.0 serial 0/0/0
```

RIPv1

```
router rip
network 195.220.123.0
network 193.155.145.0
network 188.15.70.0
default-information originate
passive-interface g 0/0
exit
```

RIPv2

```
router rip
version 2
no auto-summary
network 195.220.123.0
network 193.155.145.0
network 188.15.70.0
default-information originate
passive-interface g 0/0
exit
```

OSPFv2

```
router ospf 1
network 192.168.1.0 255.255.255.0 area 0
network 192.168.2.0 255.255.255.0 area 0
default-information originate
passive-interface g 0/0
exit
```

ALINTERFÉSZ konfigurálás

```
interface gigabitEthernet 0/0.10
encapsulation dot1Q 10 // Vlan 10
ip add 192.168.10.1 255.255.255.0
exit
interface gigabitEthernet 0/0.20
encapsulation dot1Q 20 // Vlan 20
ip add 192.168.20.1 255.255.255.0
exit
interface gigabitEthernet 0/0
no sh
exit
```

NAT

Statikus

```
ip nat inside source static 192.168.1.10 200.165.200.15
interface fastethernet 0/0
ip nat inside
exit
interface serial 0/0
ip nat outside
exit
```

Dinamikus

```
access-list 1 permit 192.168.1.0 0.0.0.255
ip nat pool acsj-1 209.165.200.226 209.165.200.240
netmask 255.255.255.224
ip nat inside source list 1 pool acsj-1
interface fastethernet 0/0
ip nat inside
exit
interface serial 0/0
ip nat outside
exit
```

PAT (POOL)

```
access-list 1 permit 192.168.1.0 0.0.0.255
ip nat pool acsj-1 209.165.200.226 209.165.200.240
netmask 255.255.255.224
ip nat inside source list 1 pool acsj-1 overload
interface fastethernet 0/0
ip nat inside
exit
interface serial 0/0
ip nat outside
exit
```

PAT (interface)

```
access-list 1 permit 192.168.1.0 0.0.0.255
ip nat inside source list 1 interface serial 0/0/0 overload
interface fastethernet 0/0
ip nat inside
exit
interface serial 0/0
ip nat outside
exit
```