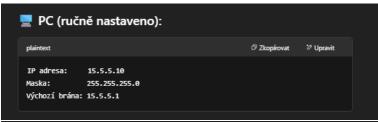Kinda funguje pinga

🔧 Konfigurace switche S2 (Cisco 2960)

cisco   ⧉ Zkopírovat   ✎ Upravit

```
hostname S2

! VLANy
vlan 5
 name RED
vlan 6
 name BLACK
vlan 7
 name NATIVE

! PC port ve VLAN 5
interface fa0/3
 switchport mode access
 switchport access vlan 5

! Port na S2 do S1 – EtherChannel (LACP)
interface range fa0/1 - 2
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 7
 switchport trunk allowed vlan 5-7
 switchport mode trunk
 channel-group 1 mode active

interface port-channel1
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 7
 switchport trunk allowed vlan 5-7
 switchport mode trunk

! Trunk do R1
interface fa0/4
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 7
 switchport trunk allowed vlan 5-7
 switchport mode trunk

! SVI pro VLAN 6 (pro ping S2)
interface vlan6
 ip address 15.5.6.3 255.255.255.0

ip default-gateway 15.5.6.1
```

🔧 Konfigurace **S1** (multilayer switch)

```cisco
hostname S1
ip routing

! VLANy
vlan 5
 name RED
vlan 6
 name BLACK
vlan 7
 name NATIVE

! EtherChannel (LACP) do S2
interface range fa0/1 - 2
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 7
 switchport trunk allowed vlan 5-7
 switchport mode trunk
 channel-group 1 mode active

interface port-channel1
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 7
 switchport trunk allowed vlan 5-7
 switchport mode trunk

! Směrovaný port do R1
interface fa0/3
 no switchport
 ip address 15.5.11.2 255.255.255.252

! SVI VLAN 5
interface vlan5
 ip address 15.5.5.2 255.255.255.0
 standby 5 ip 15.5.5.1
 standby 5 priority 110
 standby 5 preempt

! SVI VLAN 6
interface vlan6
 ip address 15.5.6.2 255.255.255.0
 standby 6 ip 15.5.6.1
 standby 6 priority 110
 standby 6 preempt

! Statické směrování (default do R1)
ip route 0.0.0.0 0.0.0.0 15.5.11.1
```

🔧 Konfigurace **R1** (router)

```cisco
hostname R1
ip routing

! Směrovací port do S1
interface g0/0/1
 ip address 15.5.11.1 255.255.255.252

! Trunk do S2
interface g0/0/0
 no shutdown
 no ip address
!

interface g0/0/0.5
 encapsulation dot1q 5
 ip address 15.5.5.3 255.255.255.0

interface g0/0/0.6
 encapsulation dot1q 6
 ip address 15.5.6.3 255.255.255.0

! HSRP VLAN 5
interface g0/0/0.5
 standby 5 ip 15.5.5.1
 standby 5 priority 120
 standby 5 preempt

! HSRP VLAN 6
interface g0/0/0.6
 standby 6 ip 15.5.6.1
 standby 6 priority 120
 standby 6 preempt

! Loopback pro test
interface loopback1
 ip address 15.5.100.1 255.255.255.255

! Statické směrování
ip route 15.5.5.0 255.255.255.0 15.5.11.2
ip route 15.5.6.0 255.255.255.0 15.5.11.2
```

✅ Ověření (testovací kroky)

Na PC spusť:

```bash
bash                                          Zkopírovat    Upravit

ping 15.5.5.1        ← test HSRP gateway
ping 15.5.6.3        ← test S2
ping 15.5.100.1      ← test R1 loopback
```