

## **15.10 Příloha č.10: Konfigurační soubor zařízení S4 z prostředí Cisco**

### **Packet Tracer**

```
!  
version 15.0  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
service password-encryption  
!  
hostname S4  
!  
enable secret 5 $1$mERr$40YJivYfOiXO5rtq4zVx9/  
!  
!  
!  
!  
!  
aaa new-model  
!  
aaa authentication login SSH_AUTH group radius local  
!  
!  
!  
!  
ip domain-name example.com  
!  
ip arp inspection vlan 20,62  
!  
ip dhcp snooping vlan 20,62
```

```
ip dhcp snooping
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
switchport trunk native vlan 90
switchport trunk allowed vlan 20-21,62,72,90
switchport mode trunk
switchport nonegotiate
!
interface FastEthernet0/1
description "linka do S5"
switchport trunk native vlan 90
switchport trunk allowed vlan 20-21,62,72,90
ip arp inspection trust
ip dhcp snooping trust
switchport mode trunk
switchport nonegotiate
channel-group 1 mode on
mls qos trust dscp
!
interface FastEthernet0/2
description "linka do S5"
switchport trunk native vlan 90
switchport trunk allowed vlan 20-21,62,72,90
ip arp inspection trust
ip dhcp snooping trust
switchport mode trunk
```

```
switchport nonegotiate
channel-group 1 mode on
mls qos trust dscp
!
interface FastEthernet0/3
description "linka do PC10"
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
switchport port-security mac-address sticky 00E0.B037.0E13
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/4
description "linka do IP telefonu6"
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 21
switchport port-security
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security aging time 5
spanning-tree portfast
spanning-tree bpduguard enable
mls qos trust cos
```

!

```
interface FastEthernet0/5
description "linka do PC11"
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
switchport port-security mac-address sticky 000B.BECB.72E7
spanning-tree portfast
spanning-tree bpduguard enable
```

!

```
interface FastEthernet0/6
description "linka do IP telefonu7"
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 21
switchport port-security
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security aging time 5
spanning-tree portfast
spanning-tree bpduguard enable
mls qos trust cos
```

!

```
interface FastEthernet0/7
description "linka do PC12"
```

```
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
switchport port-security mac-address sticky 0005.5EB7.2E93
spanning-tree portfast
spanning-tree bpduguard enable
!
interface FastEthernet0/8
description "linka do IP telefonu8"
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 21
switchport port-security
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security aging time 5
spanning-tree portfast
spanning-tree bpduguard enable
mls qos trust cos
!
interface FastEthernet0/9
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
```

```
switchport port-security mac-address sticky  
switchport port-security violation restrict  
spanning-tree portfast  
spanning-tree bpduguard enable  
shutdown
```

```
!
```

```
interface FastEthernet0/10
```

```
switchport access vlan 20  
ip dhcp snooping limit rate 6  
switchport mode access  
switchport voice vlan 21  
switchport port-security  
switchport port-security maximum 2  
switchport port-security violation restrict  
switchport port-security aging time 5
```

```
spanning-tree portfast  
spanning-tree bpduguard enable  
shutdown
```

```
mls qos trust cos
```

```
!
```

```
interface FastEthernet0/11
```

```
switchport access vlan 20  
ip dhcp snooping limit rate 6  
switchport mode access  
switchport port-security  
switchport port-security mac-address sticky  
switchport port-security violation restrict  
spanning-tree portfast  
spanning-tree bpduguard enable
```

```
shutdown
!
interface FastEthernet0/12
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 21
switchport port-security
switchport port-security maximum 2
switchport port-security violation restrict
switchport port-security aging time 5
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
mls qos trust cos
!
interface FastEthernet0/13
switchport access vlan 20
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/14
switchport access vlan 100
```

```
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/15
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/16
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
```

```
shutdown
!
interface FastEthernet0/17
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/18
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/19
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
```

```
switchport port-security mac-address sticky  
switchport port-security violation restrict  
spanning-tree portfast  
spanning-tree bpduguard enable  
shutdown
```

```
!
```

```
interface FastEthernet0/20  
switchport access vlan 100  
ip dhcp snooping limit rate 6  
switchport mode access  
switchport port-security  
switchport port-security mac-address sticky  
switchport port-security violation restrict  
spanning-tree portfast  
spanning-tree bpduguard enable  
shutdown
```

```
!
```

```
interface FastEthernet0/21  
switchport access vlan 100  
ip dhcp snooping limit rate 6  
switchport mode access  
switchport port-security  
switchport port-security mac-address sticky  
switchport port-security violation restrict  
spanning-tree portfast  
spanning-tree bpduguard enable  
shutdown
```

```
!
```

```
interface FastEthernet0/22
```

```
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/23
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface FastEthernet0/24
switchport access vlan 62
ip arp inspection trust
ip dhcp snooping trust
switchport mode access
shutdown
!
interface GigabitEthernet0/1
```

```
description "linka do R3"
switchport trunk native vlan 90
switchport trunk allowed vlan 20-21,62,72,90
ip arp inspection trust
ip dhcp snooping trust
switchport mode trunk
switchport nonegotiate
mls qos trust dscp
!
interface GigabitEthernet0/2
switchport access vlan 100
ip dhcp snooping limit rate 6
switchport mode access
switchport port-security
switchport port-security mac-address sticky
switchport port-security violation restrict
spanning-tree portfast
spanning-tree bpduguard enable
shutdown
!
interface Vlan1
no ip address
shutdown
!
interface Vlan72
ip address 172.20.72.10 255.255.255.240
!
ip default-gateway 172.20.72.1
!
```

```
banner motd $Prakticka cast bakalarske prace v prostredi Cisco Packet Tracer$  
radius-server host 172.20.50.10 auth-port 1645 key RELsr8  
!  
!  
!  
line con 0  
password 7 08147E5D3E3B50  
login  
!  
line vty 0 4  
login authentication SSH_AUTH  
transport input ssh  
line vty 5 15  
login authentication SSH_AUTH  
transport input ssh  
!  
!  
!  
!  
end
```