

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 arp inspection validate src-mac dst-mac ip
```

!

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
```