

15.7 Příloha č.7: Konfigurační soubor zařízení S1 z prostředí Cisco

Packet Tracer

```
!  
version 15.0  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
service password-encryption  
!  
hostname S1  
!  
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 40,60  
ip arp inspection validate src-mac dst-mac ip  
!
```

```
ip dhcp snooping vlan 40,60
ip dhcp snooping
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
description "linka do PC1"
switchport access vlan 40
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
!
interface FastEthernet0/2
description "linka do PC2"
switchport access vlan 40
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
!
interface FastEthernet0/3
```

```
description "linka do PC3"
switchport access vlan 40
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
!
interface FastEthernet0/4
description "linka do PC4"
switchport access vlan 40
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
!
interface FastEthernet0/5
description "linka do tiskarny1"
switchport access vlan 40
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
!
interface FastEthernet0/6
description "linka do AP1"
switchport access vlan 60
ip arp inspection trust
ip dhcp snooping trust
switchport mode access
!
interface FastEthernet0/7
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 FastEthernet0/8
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 FastEthernet0/9
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 FastEthernet0/10
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 FastEthernet0/11
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 FastEthernet0/12
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 FastEthernet0/13
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 FastEthernet0/14
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 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 GigabitEthernet0/1  
description "linka do R3"  
switchport trunk native vlan 90  
switchport trunk allowed vlan 40,60,70,90  
ip arp inspection trust  
ip dhcp snooping trust  
switchport mode trunk  
switchport nonegotiate
```

```
!
```

```
interface GigabitEthernet0/2  
description "linka do R4"  
switchport trunk native vlan 90  
switchport trunk allowed vlan 40,60,70,90  
ip arp inspection trust  
ip dhcp snooping trust  
switchport mode trunk  
switchport nonegotiate
```

```
!
```

```
interface Vlan1  
no ip address  
shutdown
```



```
!
```

```
interface Vlan70  
ip address 172.20.70.10 255.255.255.240
```

```
!
ip default-gateway 172.20.70.1
!
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
```