

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
```