15.8 Příloha č.8: Konfigurační soubor zařízení S2 z prostředí Cisco Packet Tracer

```
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname S2
!
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 10,61
ip arp inspection validate src-mac dst-mac ip
```

```
!
ip dhcp snooping vlan 10,61
ip dhcp snooping
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
 switchport trunk native vlan 90
 switchport trunk allowed vlan 10-11,61,71,90
 switchport mode trunk
 switchport nonegotiate
!
interface FastEthernet0/1
 description "linka do S3"
 switchport trunk native vlan 90
 switchport trunk allowed vlan 10-11,61,71,90
 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 S3"
 switchport trunk native vlan 90
 switchport trunk allowed vlan 10-11,61,71,90
 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 PC5"
  switchport access vlan 10
  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 00D0.D3B9.0241
  spanning-tree portfast
  spanning-tree bpduguard enable
!
interface FastEthernet0/4
  description "linka do IP telefonu1"
  switchport access vlan 10
  ip dhcp snooping limit rate 6
  switchport mode access
  switchport voice vlan 11
  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 PC6"

  switchport access vlan 10

  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 00D0.FF9E.76B4

  spanning-tree portfast

  spanning-tree bpduguard enable

!

interface FastEthernet0/6

  description "linka do IP telefonu2"

  switchport access vlan 10

  ip dhcp snooping limit rate 6

  switchport mode access

  switchport voice vlan 11

  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 PC7"
 switchport access vlan 10
 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 0001.631A.9894
 spanning-tree portfast
 spanning-tree bpduguard enable
!
interface FastEthernet0/8
 description "linka do IP telefonu3"
 switchport access vlan 10
 ip dhcp snooping limit rate 6
 switchport mode access
 switchport voice vlan 11
 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 10
 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 10
 ip dhcp snooping limit rate 6
 switchport mode access
 switchport voice vlan 11
 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 10
 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 10

 ip dhcp snooping limit rate 6

 switchport mode access

 switchport voice vlan 11

 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 10

 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 61
 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 10-11,61,71,90
 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 Vlan71
 ip address 172.20.71.10 255.255.255.240
!
```

```
ip default-gateway 172.20.71.1
!
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
```