

### **15.13 Příloha č.13: Konfigurační soubor zařízení S7 z prostředí Cisco Packet Tracer**

```
!  
version 15.0  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
service password-encryption  
!  
hostname S7  
!  
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 30,63  
ip arp inspection validate src-mac dst-mac ip  
!
```

```
ip dhcp snooping vlan 30,63
ip dhcp snooping
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface Port-channel1
switchport trunk native vlan 90
switchport trunk allowed vlan 30-31,63,73,90
switchport mode trunk
switchport nonegotiate
!
interface FastEthernet0/1
description "linka do S6"
switchport trunk native vlan 90
switchport trunk allowed vlan 30-31,63,73,90
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 S6"
switchport trunk native vlan 90
switchport trunk allowed vlan 30-31,63,73,90
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 PC18"
switchport access vlan 30
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 0060.5C6A.8195
spanning-tree portfast
spanning-tree bpduguard enable
```

```
!
```

```
interface FastEthernet0/4
description "linka do IP telefonu14"
switchport access vlan 30
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 31
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 PC19"

switchport access vlan 30

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 0001.6402.2456

spanning-tree portfast

spanning-tree bpduguard enable

!

interface FastEthernet0/6

description "linka do IP telefonu15"

switchport access vlan 30

ip dhcp snooping limit rate 6

switchport mode access

switchport voice vlan 31

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 tiskarny4"
switchport access vlan 30
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.BCDD.C395
spanning-tree portfast
spanning-tree bpduguard enable
```

!

```
interface FastEthernet0/8
```

```
description "linka do AP4"
```

```
switchport access vlan 63
```

```
ip arp inspection trust
```

```
ip dhcp snooping trust
```

```
switchport mode access
```

!

```
interface FastEthernet0/9
```

```
switchport access vlan 30
```

```
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 30
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 31
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 30
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 30
ip dhcp snooping limit rate 6
switchport mode access
```

```
switchport voice vlan 31
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 30
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 30
ip dhcp snooping limit rate 6
switchport mode access
switchport voice vlan 31
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 FastEthernet0/15

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 R6"
switchport trunk native vlan 90
switchport trunk allowed vlan 30-31,63,73,90
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 Vlan73
ip address 172.20.73.11 255.255.255.240
```

!

```
ip default-gateway 172.20.73.1
```

!

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