

### **15.3 Příloha č.3: Konfigurační soubor zařízení R3 z prostředí Cisco**

#### **Packet Tracer**

!

version 12.2

no service timestamps log datetime msec

no service timestamps debug datetime msec

service password-encryption

!

hostname R3

!

!

!

enable secret 5 \$1\$mERr\$40YJivYf0iX05rtq4zVx9/

!

!

!

!

!

aaa new-model

!

aaa authentication login SSH\_AUTH group radius local

!

!

!

!

!

!

```
no ip cef
no ipv6 cef
!
!
!
!
!
!
!
!
!
!
ip domain-name example.com
!
!
!
!
class-map match-any VOICE
match ip dscp ef
!
policy-map QOS-POLICY
class VOICE
priority 1500
class class-default
fair-queue
!
```

```
interface Loopback0
description "pro spravu zarizeni"
ip address 172.20.75.4 255.255.255.255
!

interface GigabitEthernet0/0
description "linka do R6"
ip address 172.20.0.29 255.255.255.252
service-policy output QOS-POLICY
duplex auto
speed auto
!

interface GigabitEthernet1/0
description "linka do R4"
ip address 172.20.0.37 255.255.255.252
service-policy output QOS-POLICY
duplex auto
speed auto
!

interface GigabitEthernet2/0
description "linka do R5"
ip address 172.20.0.33 255.255.255.252
service-policy output QOS-POLICY
duplex auto
speed auto
!

interface GigabitEthernet3/0
description "linka do R1"
ip address 172.20.0.21 255.255.255.252
service-policy output QOS-POLICY
```

```
duplex auto
speed auto
!
interface GigabitEthernet4/0
description "linka do R2"
ip address 172.20.0.25 255.255.255.252
service-policy output QOS-POLICY
duplex auto
speed auto
!
interface GigabitEthernet5/0
description "linka do S1"
no ip address
duplex auto
speed auto
!
interface GigabitEthernet5/0.40
encapsulation dot1Q 40
ip address 172.20.40.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.40.1
standby 10 priority 110
standby 10 preempt
!
interface GigabitEthernet5/0.60
encapsulation dot1Q 60
ip address 172.20.60.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.60.1
```

```
standby 10 priority 110
standby 10 preempt
!
interface GigabitEthernet5/0.70
encapsulation dot1Q 70
ip address 172.20.70.3 255.255.255.240
standby 10 ip 172.20.70.1
standby 10 priority 110
standby 10 preempt
!
interface GigabitEthernet6/0
description "linka do S2"
no ip address
duplex auto
speed auto
!
interface GigabitEthernet6/0.10
encapsulation dot1Q 10
ip address 172.20.10.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.10.1
standby 10 preempt
!
interface GigabitEthernet6/0.11
encapsulation dot1Q 11
ip address 172.20.11.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.11.1
standby 10 preempt
```

```
!  
interface GigabitEthernet6/0.61  
  encapsulation dot1Q 61  
  ip address 172.20.61.3 255.255.255.0  
  ip helper-address 172.20.50.11  
  standby 10 ip 172.20.61.1  
  standby 10 priority 110  
  standby 10 preempt  
!  
interface GigabitEthernet6/0.71  
  encapsulation dot1Q 71  
  ip address 172.20.71.3 255.255.255.240  
  standby 10 ip 172.20.71.1  
  standby 10 priority 110  
  standby 10 preempt  
!  
interface GigabitEthernet7/0  
  no ip address  
  duplex auto  
  speed auto  
  shutdown  
!  
interface GigabitEthernet8/0  
  description "linka do S4"  
  no ip address  
  duplex auto  
  speed auto  
!  
interface GigabitEthernet8/0.20
```

```
encapsulation dot1Q 20
ip address 172.20.20.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.20.1
standby 10 preempt
!
interface GigabitEthernet8/0.21
encapsulation dot1Q 21
ip address 172.20.21.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.21.1
standby 10 preempt
!
interface GigabitEthernet8/0.62
encapsulation dot1Q 62
ip address 172.20.62.3 255.255.255.0
ip helper-address 172.20.50.11
standby 10 ip 172.20.62.1
standby 10 priority 110
standby 10 preempt
!
interface GigabitEthernet8/0.72
encapsulation dot1Q 72
ip address 172.20.72.3 255.255.255.240
standby 10 ip 172.20.72.1
standby 10 priority 110
standby 10 preempt
!
interface GigabitEthernet9/0
```

```
no ip address
duplex auto
speed auto
shutdown
!
router ospf 1
router-id 3.3.3.3
log-adjacency-changes
passive-interface Loopback0
passive-interface GigabitEthernet5/0.40
passive-interface GigabitEthernet5/0.60
passive-interface GigabitEthernet5/0.70
passive-interface GigabitEthernet6/0.10
passive-interface GigabitEthernet6/0.11
passive-interface GigabitEthernet6/0.61
passive-interface GigabitEthernet6/0.71
passive-interface GigabitEthernet8/0.20
passive-interface GigabitEthernet8/0.21
passive-interface GigabitEthernet8/0.62
passive-interface GigabitEthernet8/0.72
network 172.20.75.4 0.0.0.0 area 0
network 172.20.0.20 0.0.0.3 area 0
network 172.20.0.24 0.0.0.3 area 0
network 172.20.0.28 0.0.0.3 area 0
network 172.20.0.32 0.0.0.3 area 0
network 172.20.0.36 0.0.0.3 area 0
network 172.20.40.0 0.0.0.255 area 0
network 172.20.60.0 0.0.0.255 area 0
network 172.20.70.0 0.0.0.15 area 0
```

```
network 172.20.71.0 0.0.0.15 area 0
network 172.20.72.0 0.0.0.15 area 0
network 172.20.10.0 0.0.0.255 area 0
network 172.20.11.0 0.0.0.255 area 0
network 172.20.20.0 0.0.0.255 area 0
network 172.20.21.0 0.0.0.255 area 0
network 172.20.61.0 0.0.0.255 area 0
network 172.20.62.0 0.0.0.255 area 0
!
router rip
!
ip classless
!
ip flow-export version 9
!
!
!
!
banner motd $Prakticka cast bakalarske prace v prostredi Cisco Packet Tracer$
!
radius-server host 172.20.50.10 auth-port 1645 key HuXGa6
!
!
!
!
line con 0
password 7 08147E5D3E3B50
!
line aux 0
password 7 08147E5D3E3B50
```

```
!  
line vty 0 4  
login authentication SSH_AUTH  
transport input ssh  
!  
!  
!  
end
```