

### **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$40YJivYfOiXO5rtq4zVx9/  
!  
!  
!  
!  
!  
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