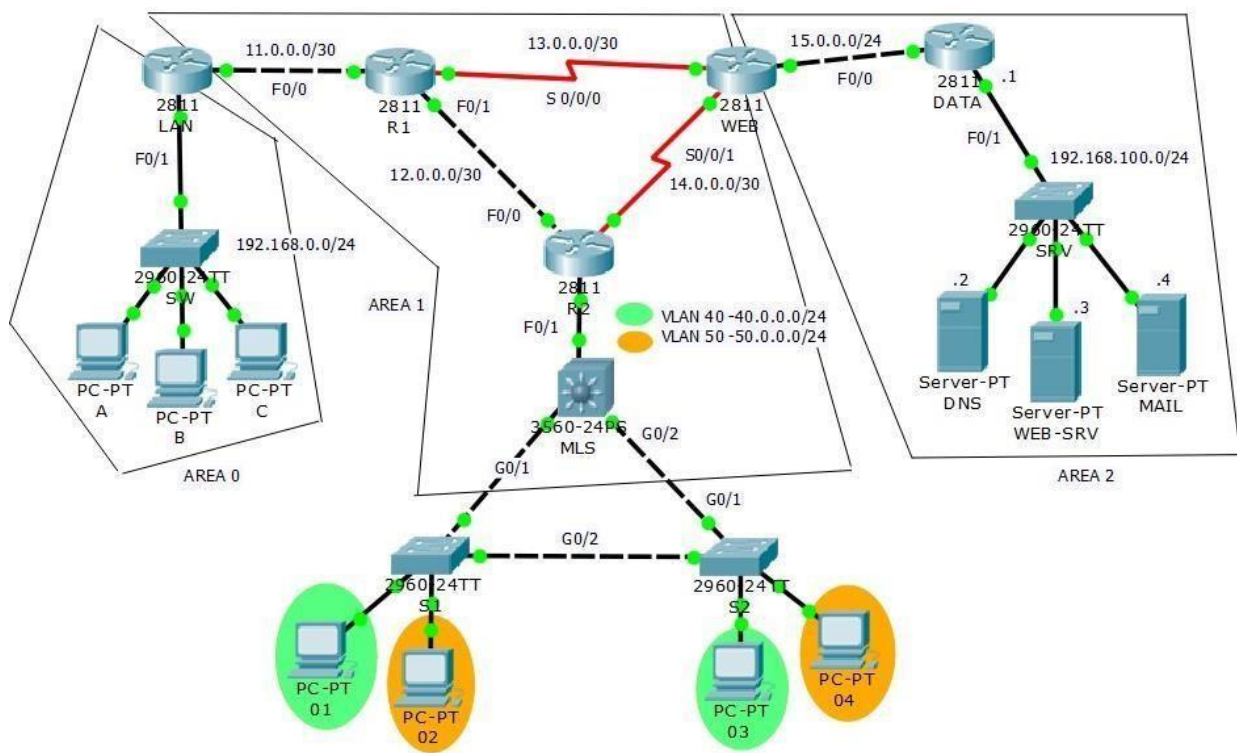


Zadatok:

1. Hostname prema šemi i baner (ime, prezime i broj indeksa na ruteru DATA)
2. Računare u mreži povezanoj na R2 podeliti u VLAN-ove 40 i 50, konfigurisati „Router on a stick“ na ruteru R2 i DHCP server
3. MLS postaviti za Root bridge za oba VLAN-a
4. OSPF tako da se uspostavi komunikacija svako-sa-svakim





Loopback interfejsi (samo na LAN, R1, R2 i WEB)

LAN

```
LAN(config)#interface loopback 0  
LAN(config-if)#ip address 1.1.1.1 255.255.255.255
```

R1

```
R1(config)#interface loopback 0  
R1(config-if)#ip address 2.2.2.2 255.255.255.255
```

R2

```
R2(config)#interface loopback 0  
R2(config-if)#ip address 3.3.3.3 255.255.255.255
```

WEB

```
WEB(config)#interface loopback 0  
WEB(config-if)#ip address 4.4.4.4 255.255.255.255
```

OSPF – osnovna konfiguracija

LAN

```
LAN(config)#router ospf 1  
LAN(config-router)#network 192.168.0.0 0.0.0.255 area 0  
LAN(config-router)#network 11.0.0.0 0.0.0.3 area 1  
LAN(config-router)#passive-interface FastEthernet 0/1
```

R1

```
R1(config)#router ospf 1  
R1(config-router)#network 11.0.0.0 0.0.0.3 area 1  
R1(config-router)#network 13.0.0.0 0.0.0.3 area 1  
R1(config-router)#network 12.0.0.0 0.0.0.3 area 1
```

R2

```
R2(config)#router ospf 1  
R2(config-router)#network 12.0.0.0 0.0.0.3 area 1 R2(config-  
router)#network 14.0.0.0 0.0.0.3 area 1
```



```
R2(config-router)#network 40.0.0.0 0.0.0.255 area 1
R2(config-router)#network 50.0.0.0 0.0.0.255 area 1
R2(config-router)#passive-interface FastEthernet 0/1.40
R2(config-router)#passive-interface FastEthernet 0/1.50
```

WEB

```
WEB(config)#router ospf 1
WEB(config-router)#network 13.0.0.0 0.0.0.3 area 1
WEB(config-router)#network 14.0.0.0 0.0.0.3 area 1 WEB(config-
router)#network 15.0.0.0 0.0.0.255 area 2
```

DATA

```
DATA(config)#router ospf 1
DATA(config-router)#network 15.0.0.0 0.0.0.255 area 2
DATA(config-router)#network 192.168.100.0 0.0.0.255 area 2
DATA(config-router)#passive-interface FastEthernet 0/1
```

Loopback interfejs – naknadna promena

```
DATA(config)#interface loopback 0
DATA(config-if)#ip address 5.5.5.5 255.255.255.255
DATA(config-if)#end
DATA#reload
System configuration has been modified. Save? [yes/no]:yes
Proceed with reload? [confirm]

DATA#show ip ospf
```

-> RID je sada 5.5.5.5!



Provera ruting tabele

Ruter DATA ima samo direktno povezane mreže:

```
DATA#show ip route
```

Ruter WEB ima sve mreže, jer je njegova area povezana sa area 0:

```
WEB#show ip route
```

LAN nema 192.168.100.0:

```
LAN#show ip route
```

Virtual link – povezivanje OSPF area

Iz izlaza sledeće komande uzeti RID rutera LAN (biće 1.1.1.1):

```
R1#show ip ospf
WEB(config)#router ospf 1
WEB(config-router)#area 1 virtual-link 1.1.1.1
LAN(config)#router ospf 1
LAN(config-router)#area 1 virtual-link 4.4.4.4
```

Provera:

```
WEB#show ip ospf virtual-links
```