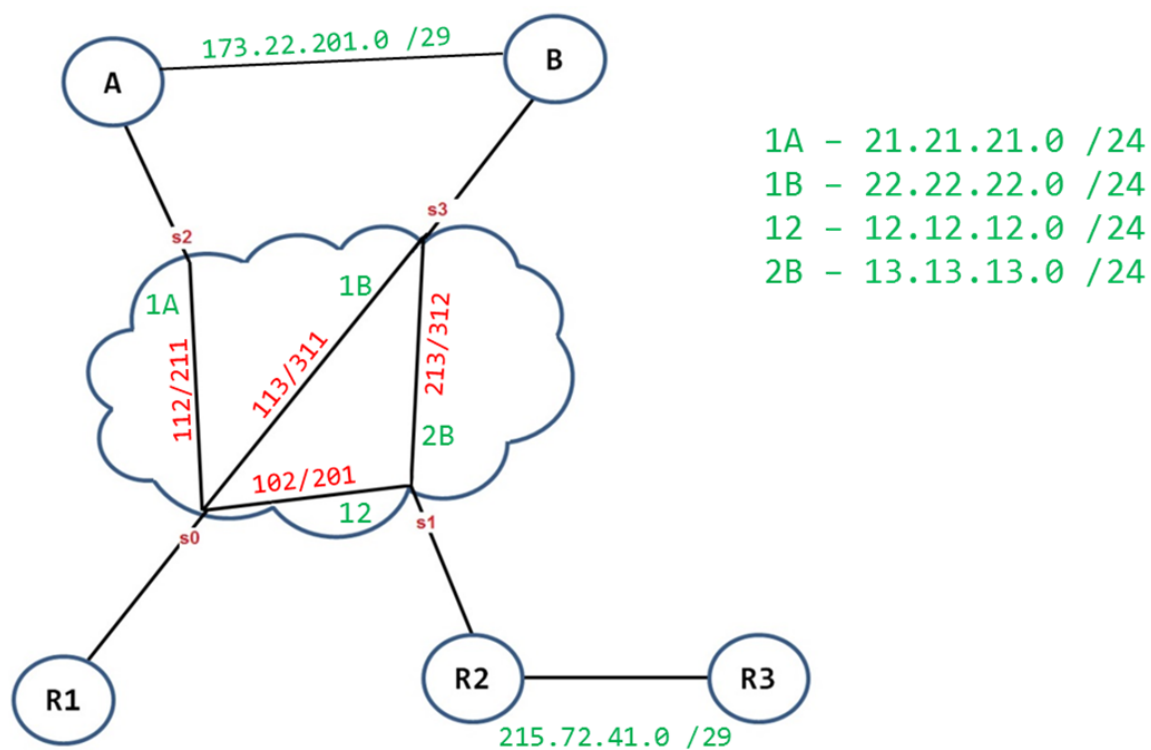
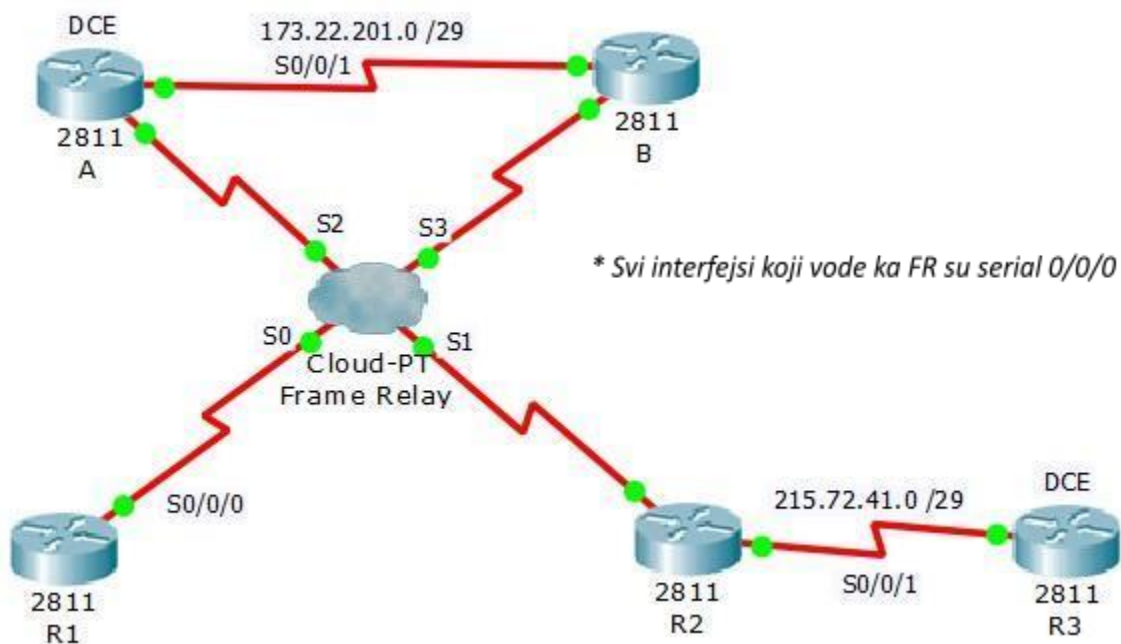




Zadatak. U Packet Tracer-u nacrtati Šemu sa slike i konfigurirati:

1. Hostname prema Šemi, baner sa imenom i prezimenom i brojem indeksa na R1.
2. IP adrese na interfejsima.
3. Frame Relay prema drugoj Šemi.
4. RIPv2.



Napomena: U ovom uputstvu su date sve potrebne komande.



Šema i povezivanje

1. **Frame Relay** oblak se nalazi u „WAN Emulation“ odeljku, a u šemu treba prevući prvi („Cloud-PT“).
2. Ruterima 2811 treba dodati moduo „HWIC-2T“, u donji desni slot.
3. Rutere A-B i R2-R3 povezati po interfejsu Serial 0/0/1, gde su A i R3 DCE strane.
4. Rutere sa oblakom povezati po interfejsu Serial 0/0/0, gde je Frame Relay DCE. Na oblaku birati interfejse prema šemi (R1 se povezuje na Serial 0, R2 na Serial 1 itd).

Konfiguracija „oblaka“

1. Kliknuti na oblak.
2. Otvoriti karticu „Config“.
3. Ispod dugmeta „INTERFACE“ se nalaze serijski interfejsi, gde za svaki treba dodati DLCI i ime:
 - Serial0: DLCI 112, Name R1-A; DLCI 113, Name R1-B; DLCI 102, Name R1-R2
 - Serial1: DLCI 201, Name R2-R1; DLCI 213, Name R2-B
 - Serial2: DLCI 211, Name A-R1
 - Serial3: DLCI 311, Name B-R1; DLCI 312, Name B-R2
4. Zatim, takođe na kartici „Config“, kliknuti na „Frame Relay“ ispod „CONNECTIONS“, i uneti stavke sa slike. U tabeli treba da ima onoliko kolona koliko ima virtuelnih veza unutar Frame Relay oblaka.

	From Port	Sublink	To Port	Sublink
1	Serial0	R1-A	Serial2	A-R1
2	Serial0	R1-B	Serial3	B-R1
3	Serial0	R1-R2	Serial1	R2-R1
4	Serial1	R2-B	Serial3	B-R2



1. Hostname i baner

```
Router(config)#hostname R1  
R1(config)#banner motd #Ime i Prezime RI-XY#
```

2. IP adrese na interfejsima

```
A(config)#interface Serial 0/0/1  
A(config-if)#clock rate 4000000  
A(config-if)#ip address 173.22.201.1 255.255.255.248  
A(config-if)#no shutdown  
  
B(config)#interface Serial 0/0/1  
B(config-if)#ip address 173.22.201.2 255.255.255.248  
B(config-if)#no shutdown  
  
R2(config)#interface Serial 0/0/1  
R2(config-if)#ip address 215.72.41.1 255.255.255.248  
R2(config-if)#no shutdown  
  
R3(config)#interface Serial 0/0/1  
R3(config-if)#clock rate 4000000  
R3(config-if)#ip address 215.72.41.2 255.255.255.248  
R3(config-if)#no shutdown
```

3. Frame Relay

```
A(config)#interface Serial 0/0/0  
A(config-if)#encapsulation frame-relay  
A(config-if)#no shutdown  
A(config-if)#exit  
  
A(config)#interface Serial 0/0/0.211 point-to-point  
A(config-subif)#frame-relay interface-dlci 211  
A(config-subif)#ip address 21.21.21.1 255.255.255.0  
A(config-subif)#exit  
  
R1(config)#interface Serial 0/0/0  
R1(config-if)#encapsulation frame-relay  
R1(config-if)#no shutdown  
R1(config-if)#exit  
  
R1(config)#interface Serial 0/0/0.112 point-to-point  
R1(config-subif)#frame-relay interface-dlci 112  
R1(config-subif)#ip address 21.21.21.2 255.255.255.0  
R1(config-subif)#exit  
  
R1(config)#interface Serial 0/0/0.113 point-to-point  
R1(config-subif)#frame-relay interface-dlci 113
```



```
R1(config-subif)#ip address 22.22.22.1 255.255.255.0  
R1(config-subif)#exit
```

```
R1(config)#interface Serial 0/0/0.102 point-to-point  
R1(config-subif)#frame-relay interface-dlci 102  
R1(config-subif)#ip address 12.12.12.1 255.255.255.0  
R1(config-subif)#exit
```

```
B(config)#interface Serial 0/0/0  
B(config-if)#encapsulation frame-relay  
B(config-if)#no shutdown  
B(config-if)#exit
```

```
B(config)#interface Serial 0/0/0.311 point-to-point  
B(config-subif)#frame-relay interface-dlci 311  
B(config-subif)#ip address 22.22.22.2 255.255.255.0  
B(config-subif)#exit
```

```
B(config)#interface Serial 0/0/0.312 point-to-point  
B(config-subif)#frame-relay interface-dlci 312  
B(config-subif)#ip address 13.13.13.1 255.255.255.0  
B(config-subif)#exit
```

```
R2(config)#interface Serial 0/0/0  
R2(config-if)#encapsulation frame-relay  
R2(config-if)#no shutdown
```

```
R2(config)#interface Serial 0/0/0.201 point-to-point  
R2(config-subif)#frame-relay interface-dlci 201  
R2(config-subif)#ip address 12.12.12.2 255.255.255.0  
R2(config-subif)#exit
```

```
R2(config)#interface Serial 0/0/0.213 point-to-point  
R2(config-subif)#frame-relay interface-dlci 213  
R2(config-subif)#ip address 13.13.13.2 255.255.255.0  
R2(config-subif)#exit
```

4. RIP

```
A(config)#router rip  
A(config-router)#version 2  
A(config-router)#network 173.22.201.0  
A(config-router)#network 21.21.21.0  
A(config-router)#exit
```

```
B(config)#router rip  
B(config-router)#version 2  
B(config-router)#network 173.22.201.0  
B(config-router)#network 22.22.22.0  
B(config-router)#network 13.13.13.0
```



```
B(config-router)#exit
```

```
R1(config)#router rip  
R1(config-router)#version 2  
R1(config-router)#network 21.21.21.0  
R1(config-router)#network 22.22.22.0  
R1(config-router)#network 12.12.12.0  
R1(config-router)#exit
```

```
R2(config)#router rip  
R2(config-router)#version 2  
R2(config-router)#network 12.12.12.0  
R2(config-router)#network 13.13.13.0  
R2(config-router)#network 215.72.41.0  
R2(config-router)#exit
```

```
R3(config)#router rip  
R3(config-router)#version 2  
R3(config-router)#network 215.72.41.0  
R3(config-router)#exit
```