

## **Vježba 11: Konzolni pristup i osnovna konfiguracija preklopnika**

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## **PRIPREMA**

### **1. Koje karakteristike ima preklopnik kao računalo?**

- Preklopnik kao računalo ima procesor, memoriju, operacijski sustav, mrežni sučelj, upravljački programe, administrativno sučelje.

### **2. Na koji je način moguće pristupiti operacijskom sustavu preklopnika?**

- OS-u preklopnika možemo pristupiti pomoću command line interface.

### **3. Koje postavke možemo dodijeliti preklopniku?**

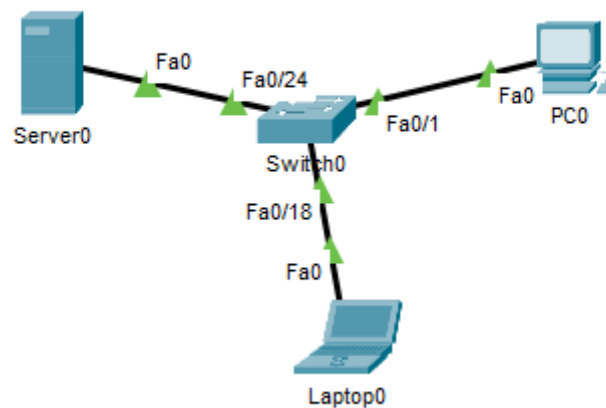
- Naziv preklopnika, poruku dobrodošlice ili upozorenja nakon pristupa preklopniku, sučelje prema korisniku, lozinke, IP adrese za pojedina sučelja, virtualne lokalne mreže(VLAN), ulogu sučelja u VLAN-u

### **4. Gdje se postavke koje smo preklopniku dodijelili, spremaju? VLAN-ovi bazirani na priključcima preklopnika**

- Postavke se spremaju u NVRAM(non volative Random Access Memory). To je vrsta RAM memorije koja ne gubi svoje podatke kada se isključi mrežni uređaj.

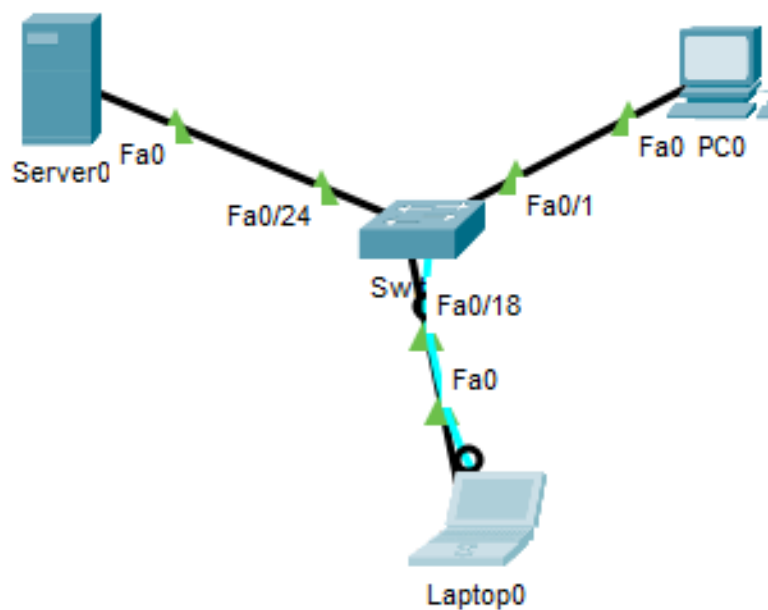
## IZVOĐENJE VJEŽBE

1.



2. Prijenosnik spojit kao terminal na prespojnik S1.

Koristili smo tzv. konzolni kabel koji se izvodi kao rollover kabel. Spojili smo ga na RS 232 i Console portove



3.

```
Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line console 0
Switch(config-line)#password jakakonzolnalozinka
Switch(config-line)#login
Switch(config-line)#exec-timeout 15 00
Switch(config-line)#exit
Switch(config)#
Switch(config)#
```

---

4.

Koristili smo naredbu **sh run**

```
Switch#sh run
Building configuration...

Current configuration : 1074 bytes
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Switch
!
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
!
interface FastEthernet0/2
!
interface FastEthernet0/3
!
interface FastEthernet0/4
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
```

```

interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface Vlan1
  no ip address
  shutdown
!
!
!
!
line con 0
  password jakakonzolnalozinka
  login
  exec-timeout 15 0
!
line vty 0 4
  login
line vty 5 15
  login
!
!
!
!
end

```

5.

Koristili smo naredbu **copy running-config startup-config** i naredbu **show startup-config**

```

Switch#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Switch#

```

```

Switch#show startup-config
Using 1074 bytes
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Switch
!
!
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
!
interface FastEthernet0/1
!
interface FastEthernet0/2
!
interface FastEthernet0/3
!
--More--

```

Ne postoji razlika

6.

Server – PC1

```
C:\>ping 172.17.99.41

Pinging 172.17.99.41 with 32 bytes of data:

Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128

Ping statistics for 172.17.99.41:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```

Prijenosnik – PC1

```
C:\>ping 172.17.99.41

Pinging 172.17.99.41 with 32 bytes of data:

Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128
Reply from 172.17.99.41: bytes=32 time<1ms TTL=128

Ping statistics for 172.17.99.41:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```

Prijenosnik – Server

```
C:\>ping 172.17.99.31

Pinging 172.17.99.31 with 32 bytes of data:

Reply from 172.17.99.31: bytes=32 time<1ms TTL=128
Reply from 172.17.99.31: bytes=32 time<1ms TTL=128
Reply from 172.17.99.31: bytes=32 time<1ms TTL=128
Reply from 172.17.99.31: bytes=32 time<1ms TTL=128

Ping statistics for 172.17.99.31:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>|
```