

# Konzolni pristup i temeljna konfiguracija usmjernika

Ćorković, Dalić, 3.c

## 1. Koju ulogu ima NVRAM kod usmjernika?

Memorija u kojoj podaci ostaju dok se ne izbrisu, na njoj se nalazi startup config

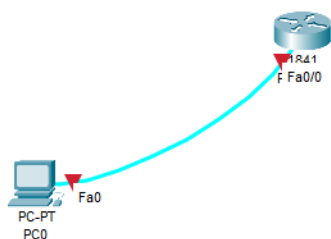
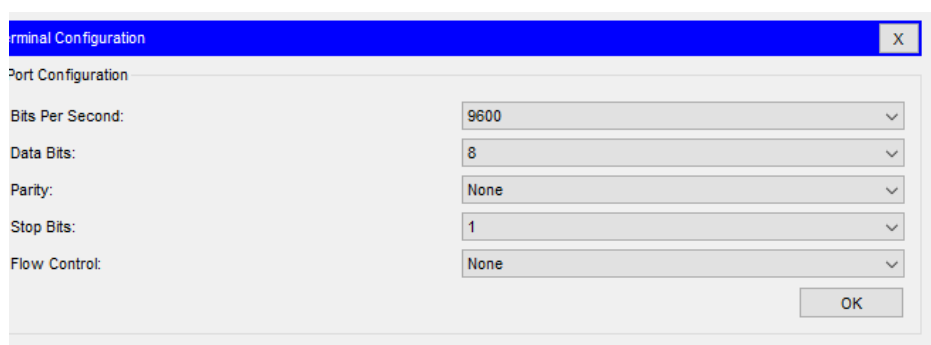
## 2. Koju ulogu ima RAM kod usmjernika?

Memorija koja se koristi za privremeno spremanje podataka koji se trenutno obrađuju, tu se nalazi running config

## 3. Gdje je pohranjen operacijski sustav usmjernika, a gdje je pohranjen operacijski sustav osobnog računala?

Može biti pohranjen u NVRAM – u ili na firmware čipu, a kod osobnog računala je spremljen na SSD ili HDD disku.

1. Spojiti usmjernik R1 sa računalom u ulozu terminala, rollover kabelom, kao na slici. Dvostrukim klikom odaberemo karticu Desktop, a zatim Terminal. Zadržati predložene postavke terminala.



2. Usmjernik koji prvi puta konfiguriramo trebao bi se nalaziti u početnom (defaultnom) stanju. Kako bismo bili potpuno sigurni da je tako, potrebno je izvršiti brisanje NVRAM-a od mogućih tragova prijašnjih konfiguracija. To možemo obaviti na sljedeći način:

```
Would you like to enter the initial configuration dialog? [yes/no]:  
  
Press RETURN to get started!  
  
Router>enable  
Router#erase startup-config  
Erasing the nvram filesystem will remove all configuration files! Continue? [confirm]  
[OK]  
Erase of nvram: complete  
%SYS-7-NV_BLOCK_INIT: Initialized the geometry of nvram  
Router#reload  
Proceed with reload? [confirm]  
System Bootstrap, Version 12.3(8r)T8, RELEASE SOFTWARE (fc1)  
Initializing memory for ECC  
..  
C1841 processor with 524288 Kbytes of main memory  
Main memory is configured to 64 bit mode with ECC enabled  
  
Readonly ROMMON initialized  
  
Self decompressing the image :  
##### [OK]  
Restricted Rights Legend  
  
Use, duplication, or disclosure by the Government is  
subject to restrictions as set forth in subparagraph  
(c) of the Commercial Computer Software - Restricted  
Rights clause at FAR sec. 52.227-19 and subparagraph  
(c) (1) (ii) of the Rights in Technical Data and Computer  
Software clause at DFARS sec. 252.227-7013.  
  
cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, California 95134-1706
```

---

3.

a)

```
--- System Configuration Dialog ---  
  
Would you like to enter the initial configuration <  
  
Press RETURN to get started!  
  
Router>  
Router>  
Router>enable  
Router#
```

---

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
```

b)

```
Router(config)#router rip
Router(config-router)#
```

c)

```
Router(config-router)#exit
Router(config)#interface FastEthernet 0/0
Router(config-if)#
```

d)

```
Router(config-if)#exit
Router(config)#hostname RB
RB(config)#
```

e)

4.

#### 4. Pomoćne naredbe

- **exit** ..... vraćanje u niži mod
- **end** ..... vraćanje u privilegirani mod iz bilo kojeg moda
- **disable** ..... vraćanje iz privilegiranog moda u korisnički mod
- **history** ..... prikazuje nekoliko prethodno zadanih naredbi
- **Strelica prema gore** . prikazuje prethodnu naredbu
- **?** ..... pokazuje koje su naredbe na raspolaganju

5.

```
RB(config)#line console 0
RB(config-line)#password skola
RB(config-line)#login
RB(config-line)#
```

a)

```
RB(config-line)#exit
RB(config)#line vty 0 4
RB(config-line)#password razred
RB(config-line)#login
RB(config-line)#
```

b)

Ctrl+F6 to exit CLI focus

```
RB(config)#enable password skola
RB(config)#exit
RB#
%SYS-5-CONFIG_I: Configured from console by console
```

c)

```
%SYS-5-CONFIG_I: Configured from console by console
RB#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
RB(config)#banner motd %Oprez, sva spajanja se nadziru%
RB(config)#
```

d)

Ctrl+F6 to exit CLI focus

```
RB>
RB>matej
Translating "matej"...domain server (255.255.255.255)
% Unknown command or computer name, or unable to find computer address
```

6.

```
RB>enable
Password:
RB#no ip domain-lookup
^
% Invalid input detected at '^' marker.

RB#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
RB(config)#no ip domain-lookup
RB(config)#exit
RB#
%SYS-5-CONFIG_I: Configured from console by console
```

RB#

---

```
RB#disable
RB>enable
Password:
RB#
```

7.

```
password
RB#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
RB#show running-config
Building configuration...

Current configuration : 694 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname RB
!
!
!
enable password skola
!
!
!
!
```

d) Da sve postavke su spremljene.

```
Oprez, sva spajanja se nadziru
```

```
User Access Verification
```

```
Password:
```

```
RB>enablew
```

```
Translating "enablew"
```

```
% Unknown command or computer name, or unable to find computer address
```

```
RB>enable
```

```
Password:
```

```
RB#show running-config
```

```
Building configuration...
```

```
Current configuration : 694 bytes
```

```
!
```

```
version 12.4
```

```
no service timestamps log datetime msec
```

```
no service timestamps debug datetime msec
```

```
no service password-encryption
```

```
!
```

```
hostname RB
```

```
!
```

```
!
```

```
!
```

```
enable password skola
```

```
!
```