UNIVERZITET U BIHAĆU

TEHNIČKI FAKULTET
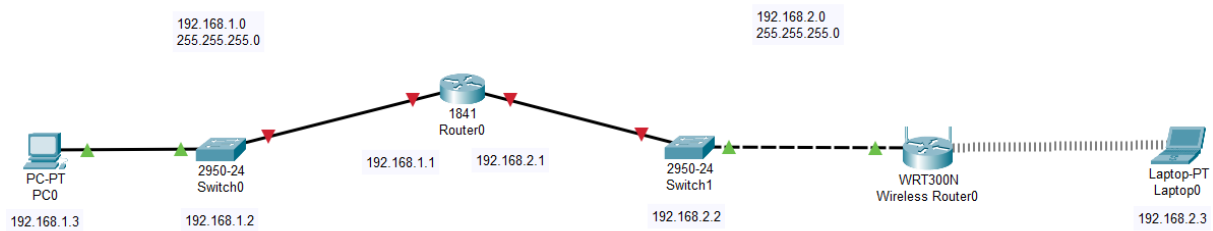
BIHAĆ

RAČUNARSKE MREŽE

Laboratorijske vježbe

CISCO Packet Tracer
(Vježba 5)

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Viši asistent

PRIMJER 1: Autorizovani pristup mrežnim uređajima

Podešavanje rutera za kraticu *FastEthernet0/0* kroz *Command Line Interface* (CLI mod)

Lijeva strana mreže

Podešavanje sata na Ruteru (CLI mod)

- Provjera trenutnog vremena
    o **show clock**

```
RT1#show clock
*0:8:55.84 UTC Mon Mar 1 1993
```

Podešavanje sata

```
RT1> enable
RT1#

RT1# clock set
% Incomplete command.

RT1# clock set ?
  hh:mm:ss  Current Time

RT1# clock set 17:25:00
% Incomplete command.

RT1# clock set 17:25:00 ?
  <1-31>  Day of the month
  MONTH   Month of the year

RT1# clock set 17:25:00 1 JUN?
MONTH

RT1# clock set 17:25:00 1 JUN 2020
RT1#

RT1# show clock
17:28:2.528 UTC Mon Jun 1 2020
```
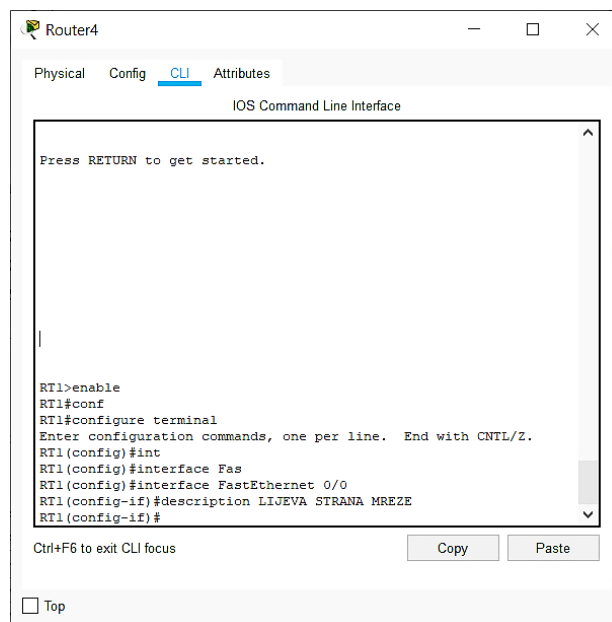
Sa naredbom **show running-config** možemo vidjeti sve što je na ruteru iskonfigurisano.
(Vidimo sve postavke osim postavke sata)
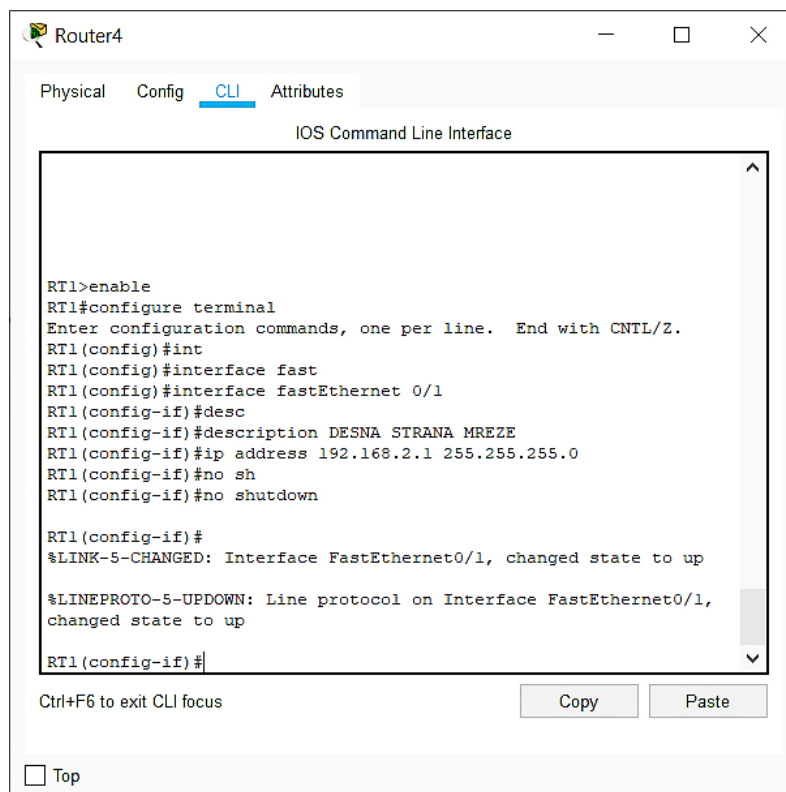
Dodjeljivanje opisa interfejsima

Opis dodjeljujemo sa komandom **description**

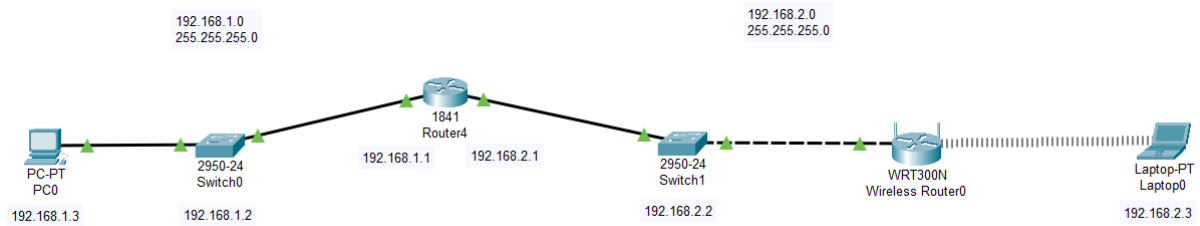Npr. dodat ćemo interfejsu *FastEthernet0/0* opis *LIJEVA STRANA MREŽE*

Podešavanje rutera za kraticu *FastEthernet0/1* kroz *Command Line Interface* (CLI mod)

Desna strana mreže

Prethodnim koracima je konfigurisana i DESNA strana mreže, odnosno konfigurisana je cijela mreža.

Podešavanje pristupnih šifri na ruter

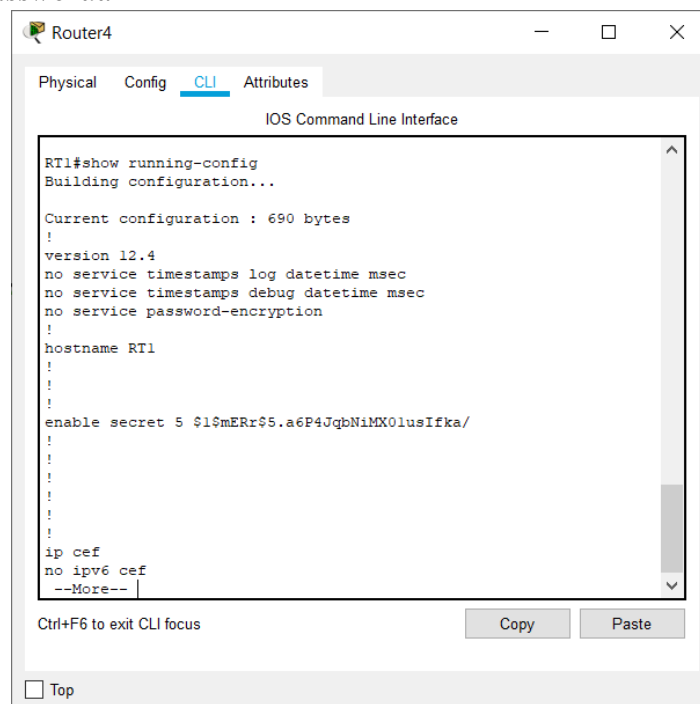Imamo dvije vrste šifri (tajni password i javni password)

Postavka javnog passworda

Ovaj javni password je enkriptovan i vidljiv je kroz postavke rutera.

Postavka tajnog passworda

Router4

Physical　Config　CLI　Attributes

IOS Command Line Interface

```
RT1 con0 is now available




Press RETURN to get started.
```

```
RT1>enable
Password:
RT1#
RT1#
```

Ctrl+F6 to exit CLI focus　　　　　Copy　　　Paste

☐ Top

Konfigurisanje pristupnog passworda preko konzole
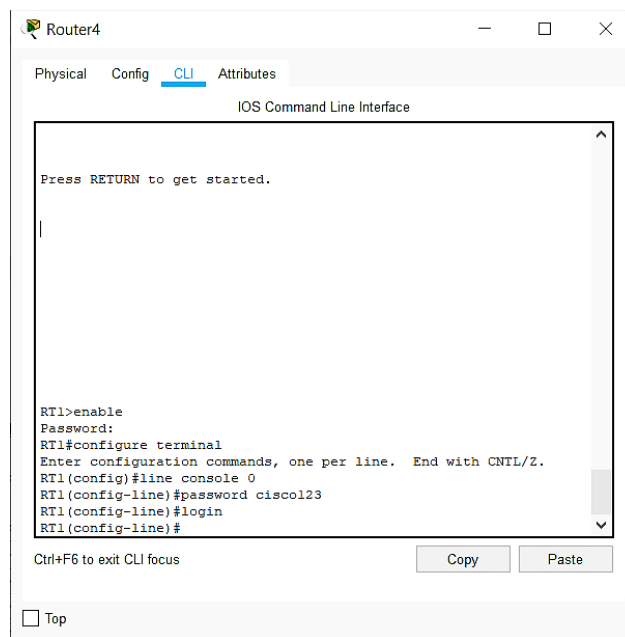
Testiranje postavljenog passworda
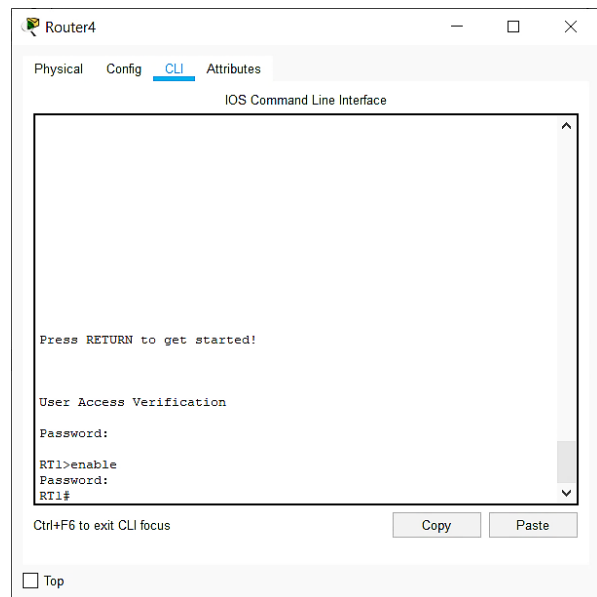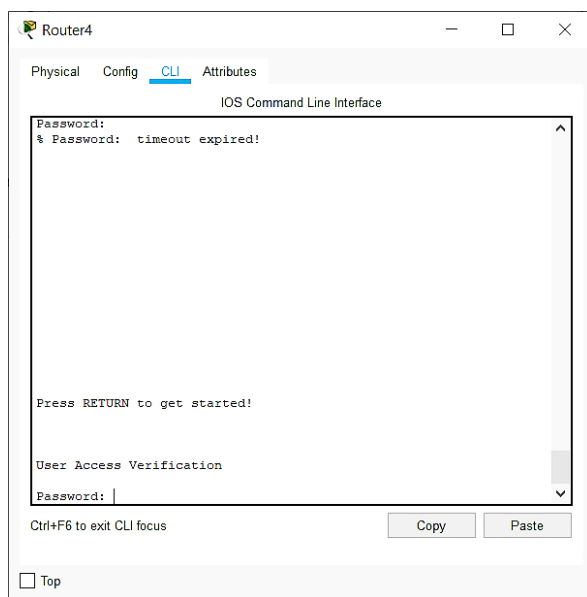
Remote konektovanja sa računara na ruter (telnet)

Dodavanje poruke (obavještenja) prilikom telneta na ruter
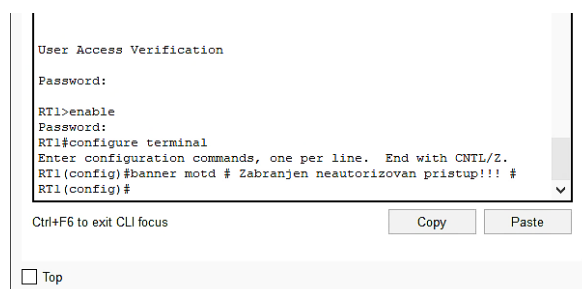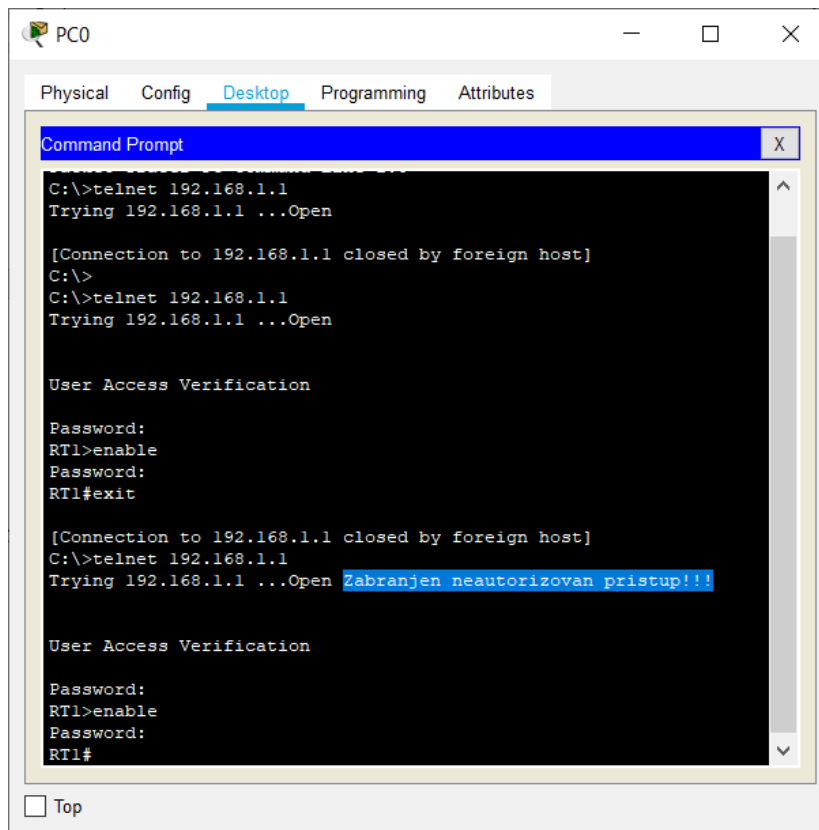
Password koji je unesen za telnet nije kriptovan.

`RT1#`**`show running-command`**
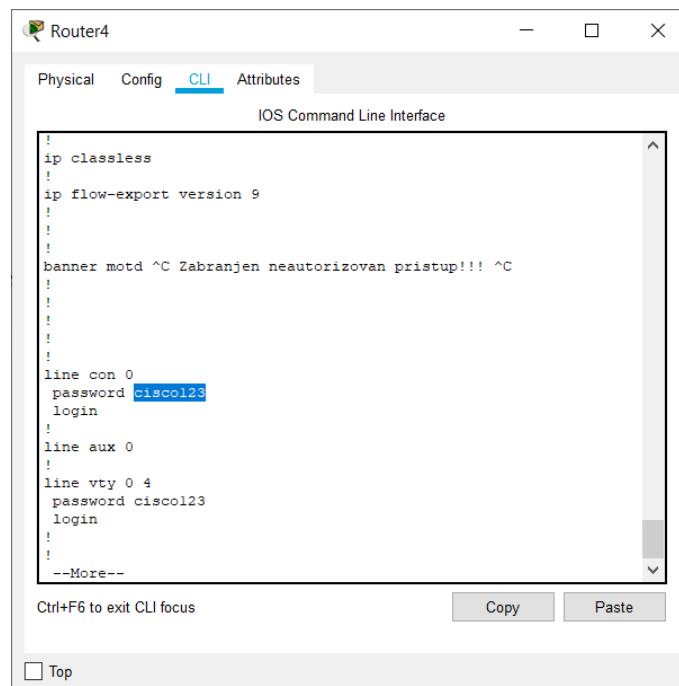
Kriptovanje telnet passworda algoritmom Type 7
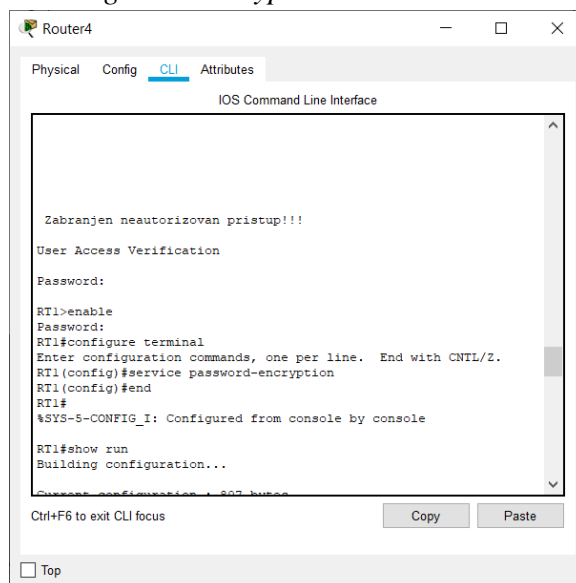
RT1#**show running-command**
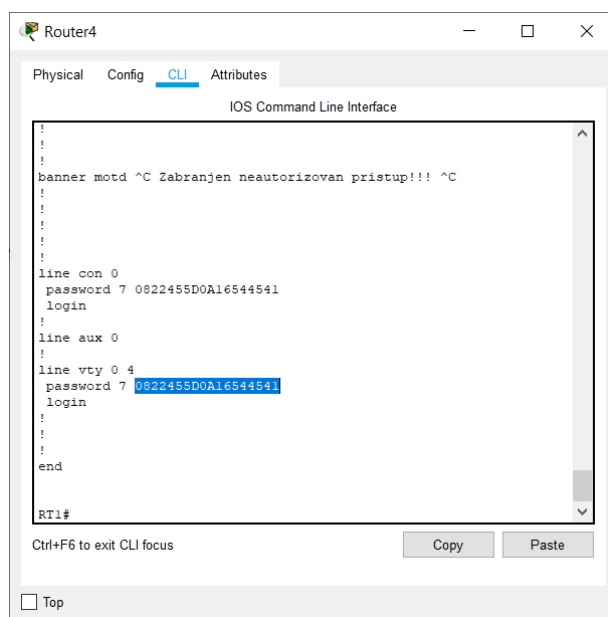
Nedostatak algoritma *Type 7* je što je vrlo slab i vrlo jednostavno ga je „probiti".

Provjera slabosti Type 7 algoritma
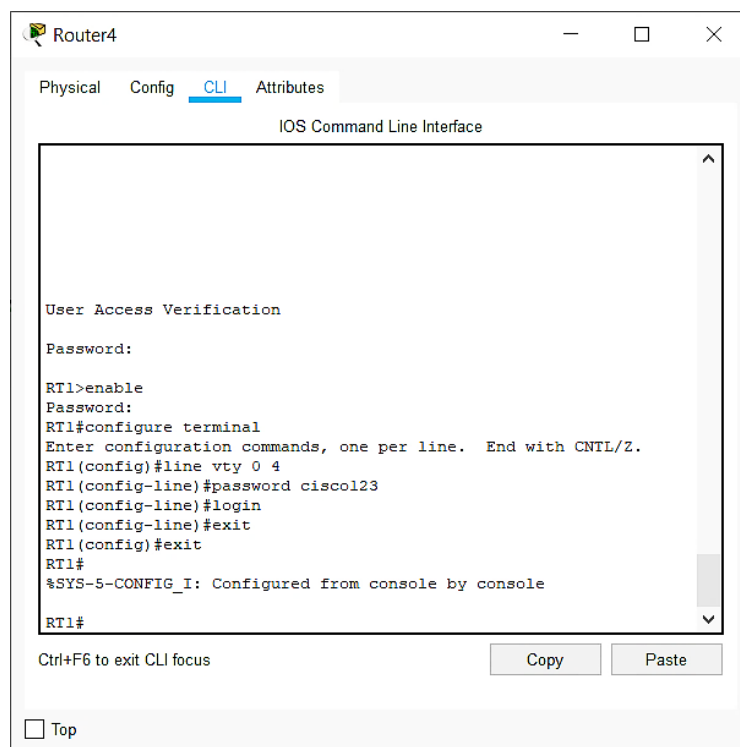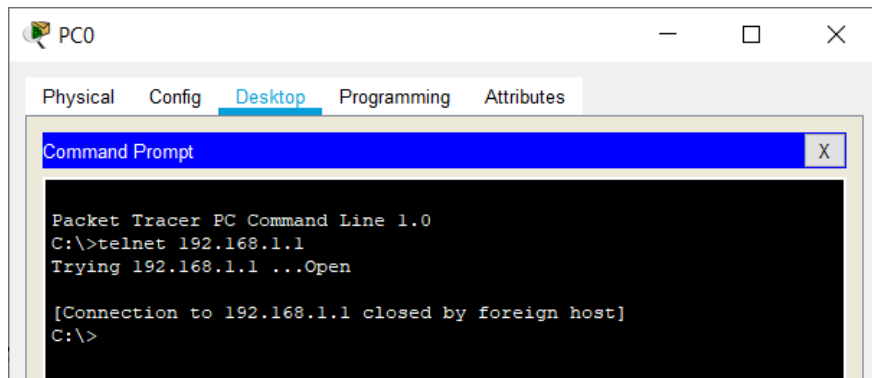- *Kopiramo password:* **0822455D0A16544541**
- *Odemo na web browser računara i ukucamo u google:* **crack cisco password type 7**
- *Otvorimo stranicu (*https://www.ifm.net.nz/cookbooks/passwordcracker.html*)*

Cisco Password Cracker

IFM supplies network engineering services for $NZ180+GST per hour. If you require assistance with designing or engineering a Cisco network - hire us!

Note: This page uses client side Javascript. It does not transmit any information entered to IFM.

Ever had a type 7 Cisco password that you wanted to crack/break? This piece of Javascript was inspired by the WWW page http://insecure.org/sploits/cisco.passwords.html. The passwords will be in lines like:

    enable password 7 095C4F1A0A1218000F
    ...
    username user password 7 12090404011C03162E

Take the type 7 password, such as the text above in red, and paste it into the box below and click "Crack Password".

Type 7 Password: 0822455D0A16544541

Crack Password

Plain text: cisco123

Type 7 Password: 0822455D0A16544541

Crack Password

Plain text: cisco123