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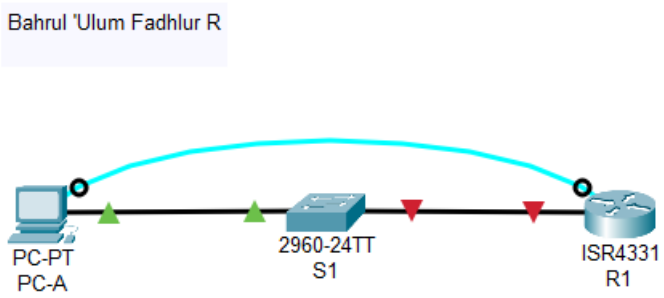
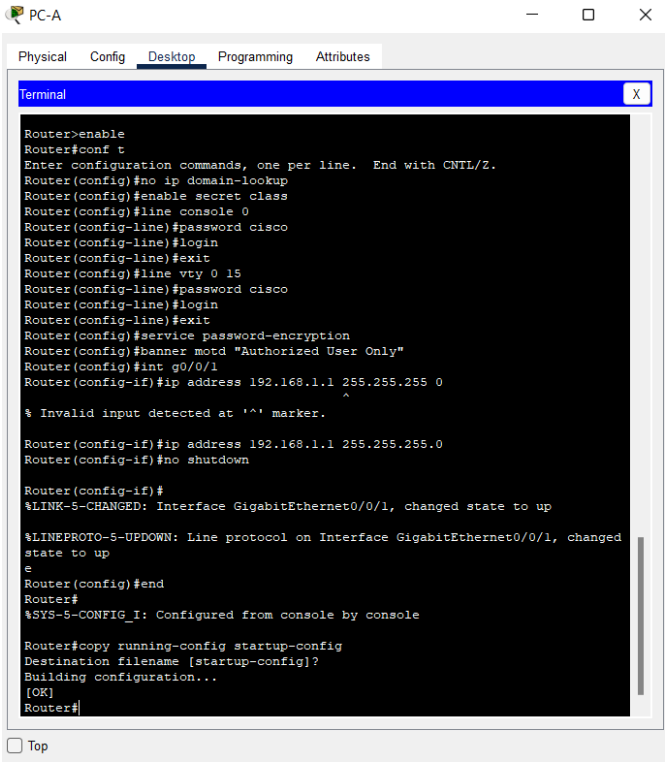
# Tugas Modul 6 – Building and Securing a Small Network

## Bagian 1 : Mengkonfigurasikan Pengaturan Perangkat Dasar

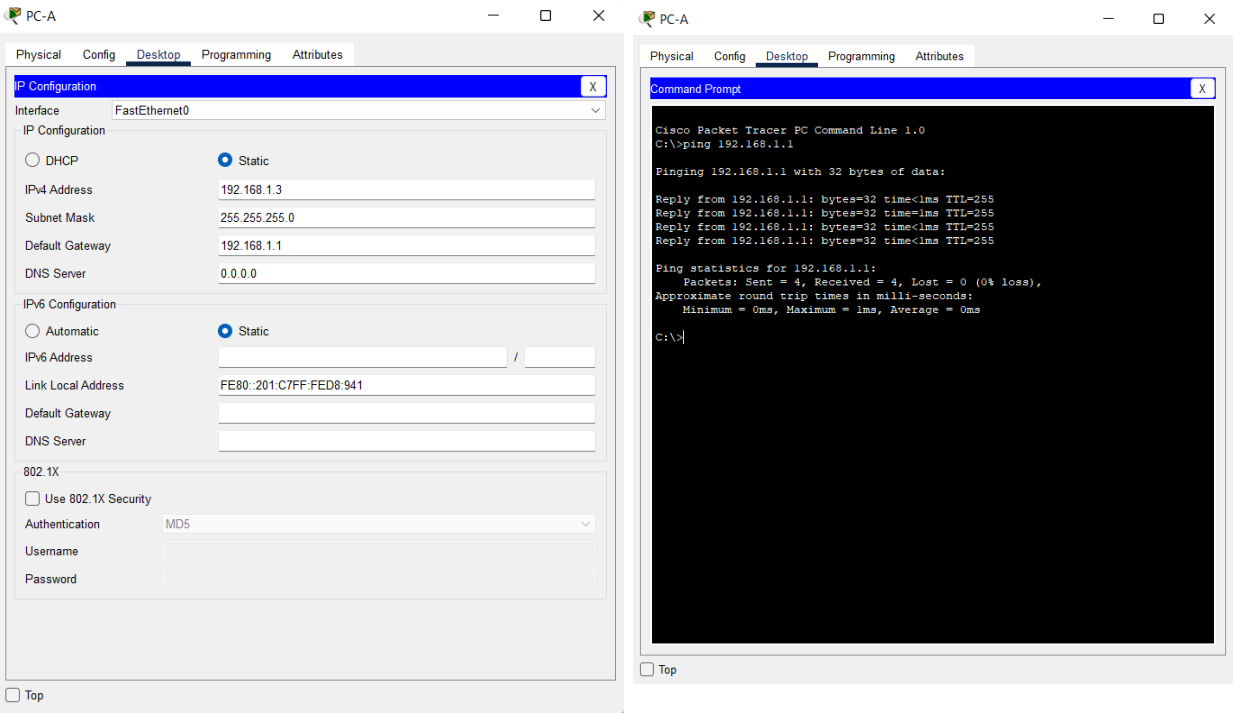
1. Menghubungkan tiap komponen




2. Mengkonfigurasikan RT-A



3. Mengkonfigurasikan PC-A dan Verivikasi Jaringan (Ping)




## Bagian 2 : Mengkonfigurasikan Router untuk Akses SSH

1. Mengkonfigurasikan otentikasi perangkat

```
Router(config)#hos
Router(config)#hostname R1
R1(config)#ip domain-name CCNA-LAB.com
R1(config)#
```

2. Mengkonfigurasikan metode kunci enkripsi

```
R1(config)#crypto key generate rsa
The name for the keys will be: R1.CCNA-LAB.com
Choose the size of the key modulus in the range of 360 to 2048 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.

How many bits in the modulus [512]: 1024
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

R1(config)#
*Mar 1 0:11:4.277: %SSH-5-ENABLED: SSH 1.99 has been enabled
```

3. Mengkonfigurasikan nama pengguna basis data lokal

```
R1(config)#username prakkomdat secret P@SsPr4k
R1(config)#
```

4. Aktifkan SSH pada baris VTY

```
R1(config)#line vty 0 15
R1(config-line)#transport input ssh
R1(config-line)#login local
R1(config-line)#end
R1#
```

5. Menyimpan konfigurasi

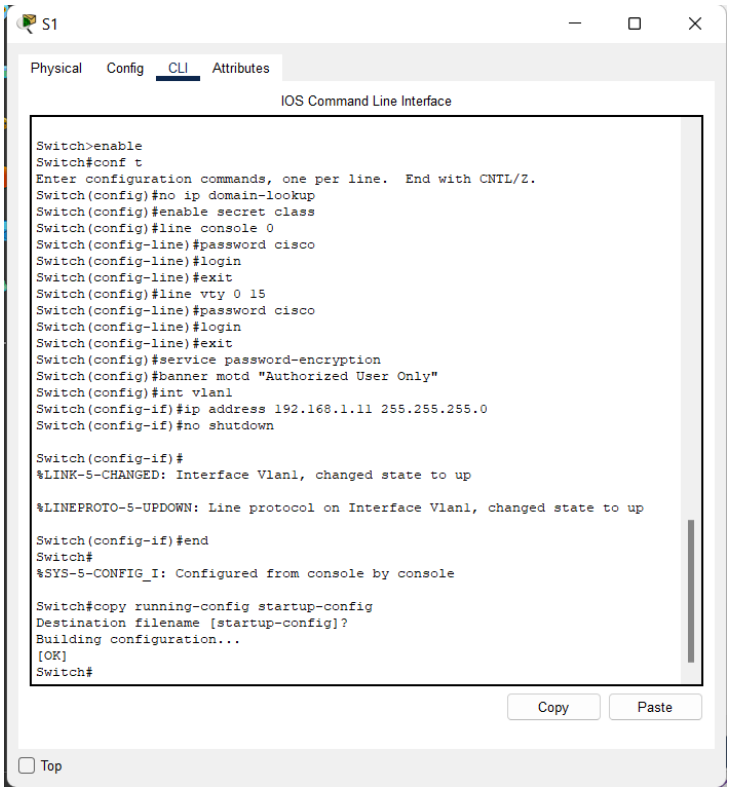
```
R1#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
R1#
```

6. Membuat koneksi SSH ke Router

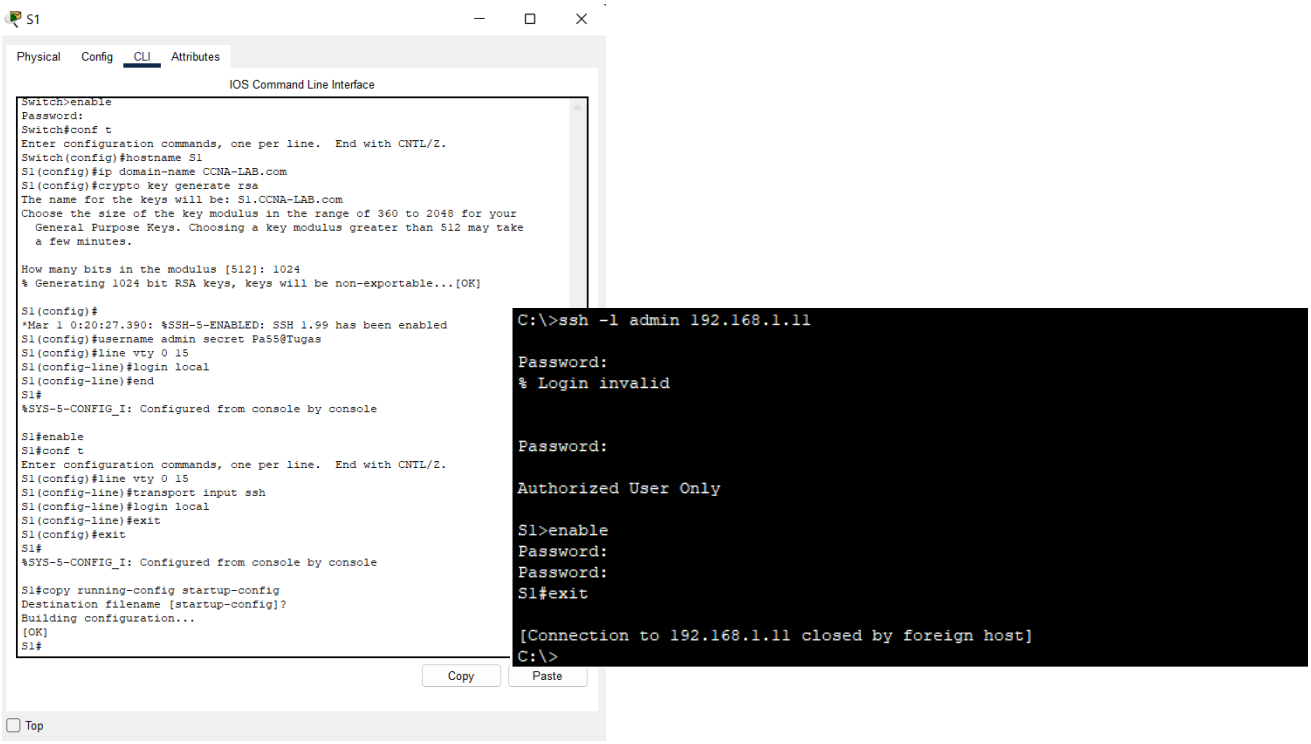
```
C:\>ssh -l prakkomdat 192.168.1.1

Password:

Authorized User Only

R1>enable
Password:
Password:
R1#exit

[Connection to 192.168.1.1 closed by foreign host]
C:\>
```

## Bagian 3 : Mengkonfigurasikan Switch untuk Akses SSH

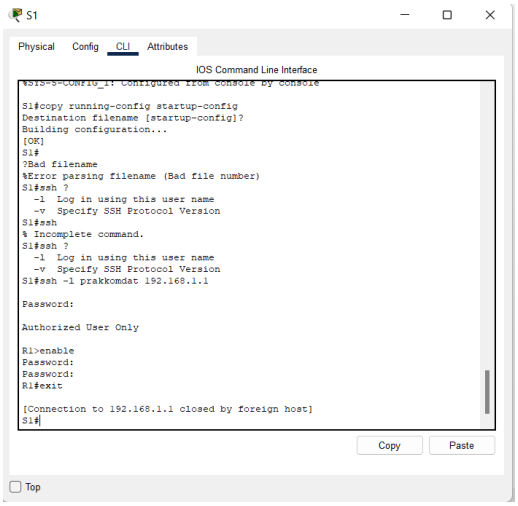
1. Mengkonfigurasikan pengaturan dasar pada Switch



2. Mengkonfigurasikan Switch untuk konektivitas SSH dan Cek SSH ke Switch




## Bagian 4 : SSH dari CLI di Switch




## Kesimupulan :

Kita bisa melakukan mengkonfigurasikan R1 menggunakan SSH R1 lalu menginputkan Username prakkomdat, IP 192.168.1.1 dan Password P@SsPr4k ke CLI S1.