

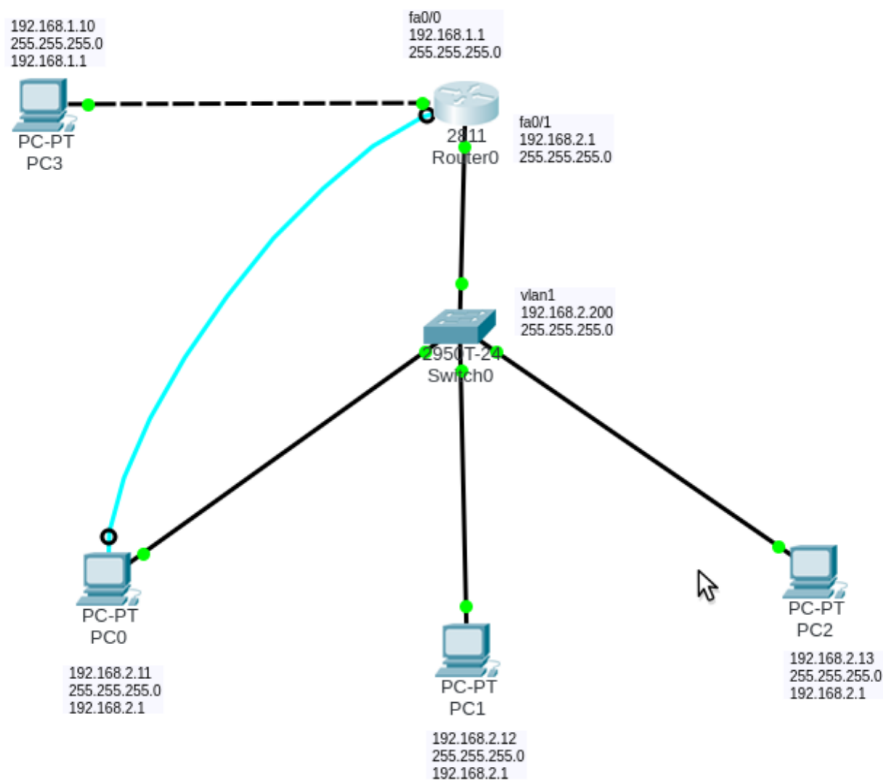
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COMPUTER NETWORK
ASSIGNMENT

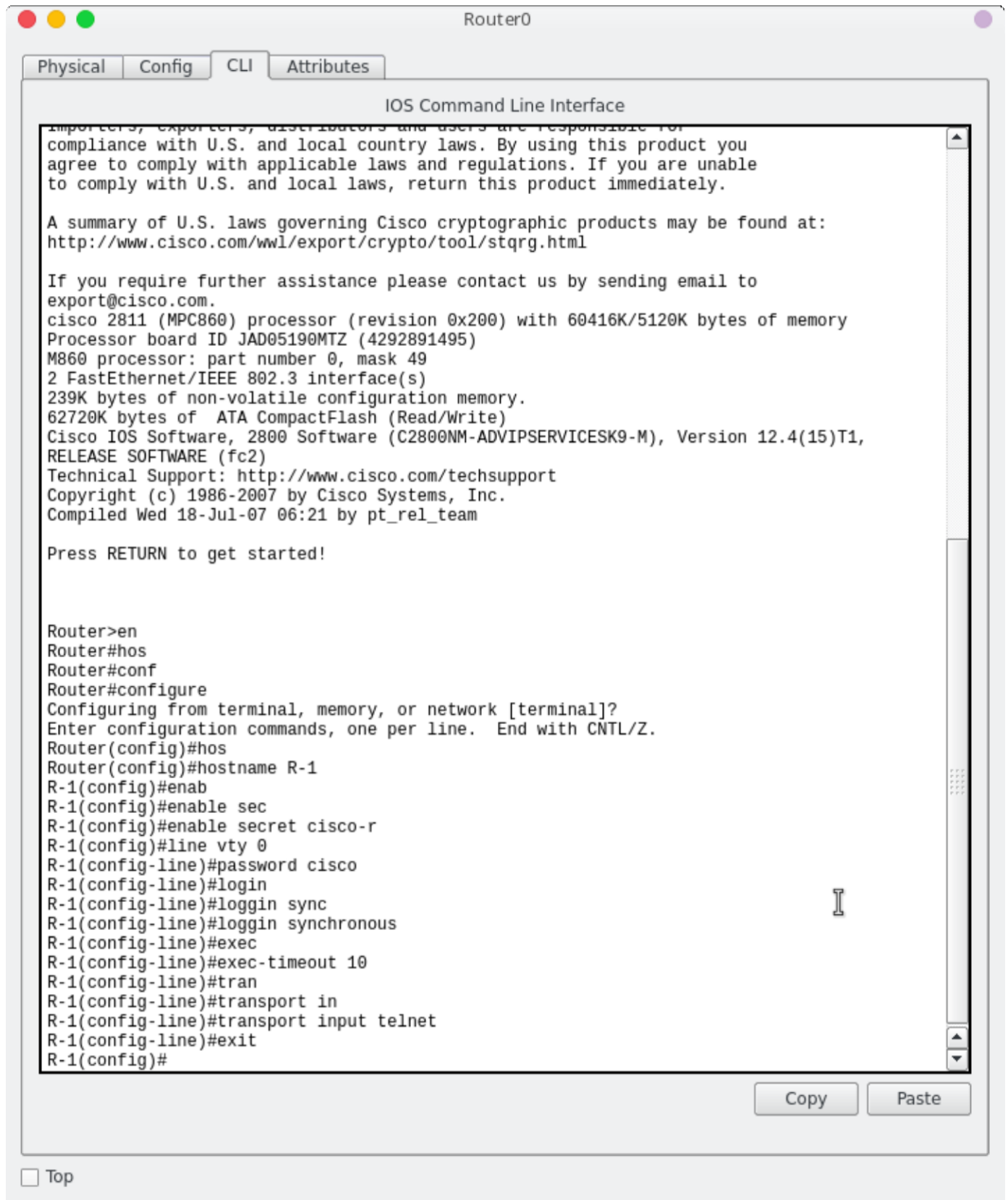
Configure Telnet and SSH on Cisco Packet Tracer

To enable telnet or SSH on Cisco router, simply do it with “line vty” command. lets
Configure:

- **First create topology Network. and set a static IP for PC client, router and switch. See the picture below.**



- Go to Router0 console and configure Hostname, Secret password and telnet with “line vty” command.

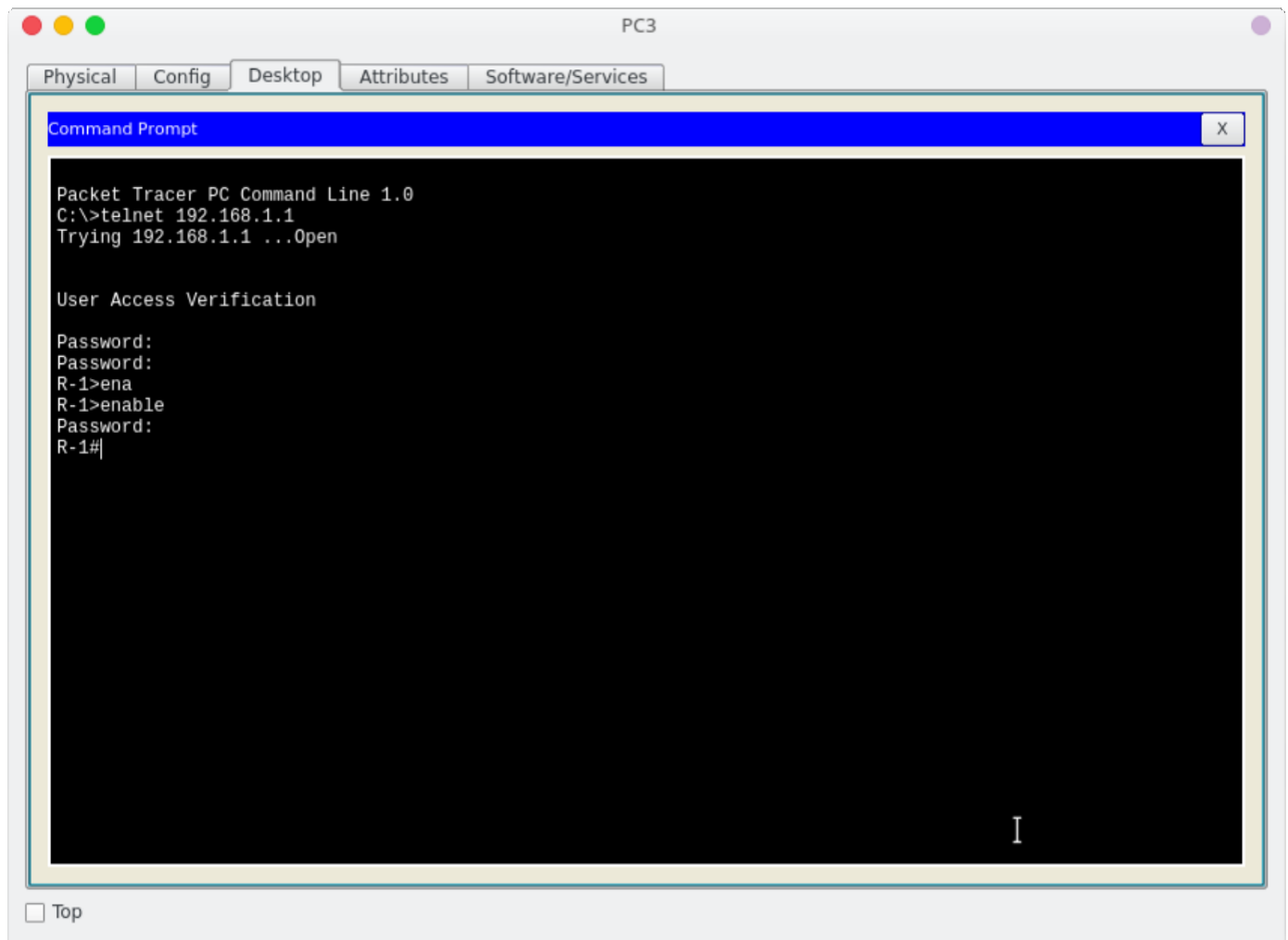


- “Enable secret ‘your password’” command for your router password user privileges.
- The “line vty” command enable the telnet and the “0” is just let a single line or session to the router. If you need more session simultaneously, you must type “line vty 0 10”, its mean 11 client can access telnet.
- The “logging synchronous” command stops any message output from splitting your typing.

- The “exec-timeout” command just sets the time-out limit on the line from the default to “10” minutes.

- **Testing Telnet Connectivity.**

Let's test telnet from the admin or client PC. Type telnet 192.168.1.1 and press enter, then enter the telnet username & password. Next type enable command and press enter, then type the router password.



- Now you are remotely connected to router R1 and you can execute all router commands through telnet command line interface.

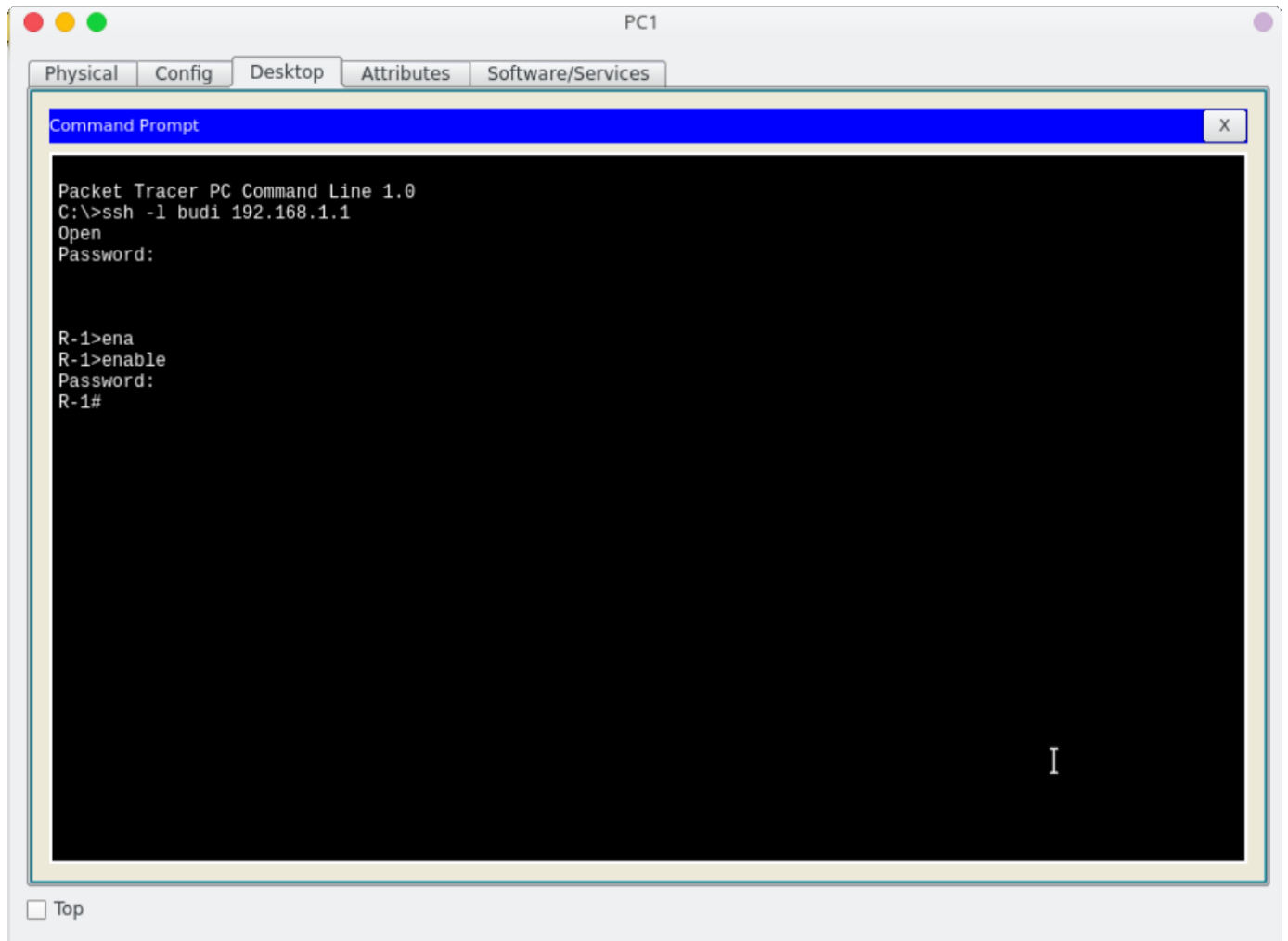
- **SSH Configuration.**



- "line vte 1 3" <~ this command will set only line 1 to 3 Virtual Terminal Lines can access SSH.
- "username budi password luhur" <~ this your username and password for SSH access.
- "crypto key generate rsa" command, when ask you "How many bits in the modulus [512]:" just type "1024" and press enter. The system will generate 1024 bits keys to secure session lines. You can choose modulus in the range of 360 to 2048.
- service password-encryption <~ encrypt your SSH password.

♦ Testing SSH Connectivity

From a client PC, open the command line and type “ssh -l budi 192.168.1.1” then press enter.



Now we have connected successfully and the connection is secured with Secure Shell.
