

## Exercise – 15 TELNET

### Aim

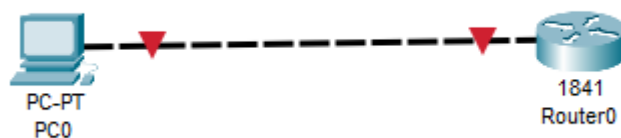
To Configuring Telnet protocol

### Pre-requisite:

Telnet Protocol

### Procedure:

1. From the Network Devices category, select routers, and from the devices drag a router and a PC into the workspace.
2. Connect the PC to router using copper cross straight cable



3. Configure the PC0 ip configure  
Click on PC0 > click on desktop tab > click on ip configuration > set ip address

The screenshot shows the configuration window for PC0. The 'Desktop' tab is selected, and the 'IP Configuration' section is expanded. The 'Interface' is set to 'FastEthernet0'. Under 'IP Configuration', the 'Static' option is selected. The following fields are filled in:

Field	Value
IPv4 Address	192.168.1.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS Server	0.0.0.0

Under 'IPv6 Configuration', the 'Static' option is also selected. The following fields are filled in:

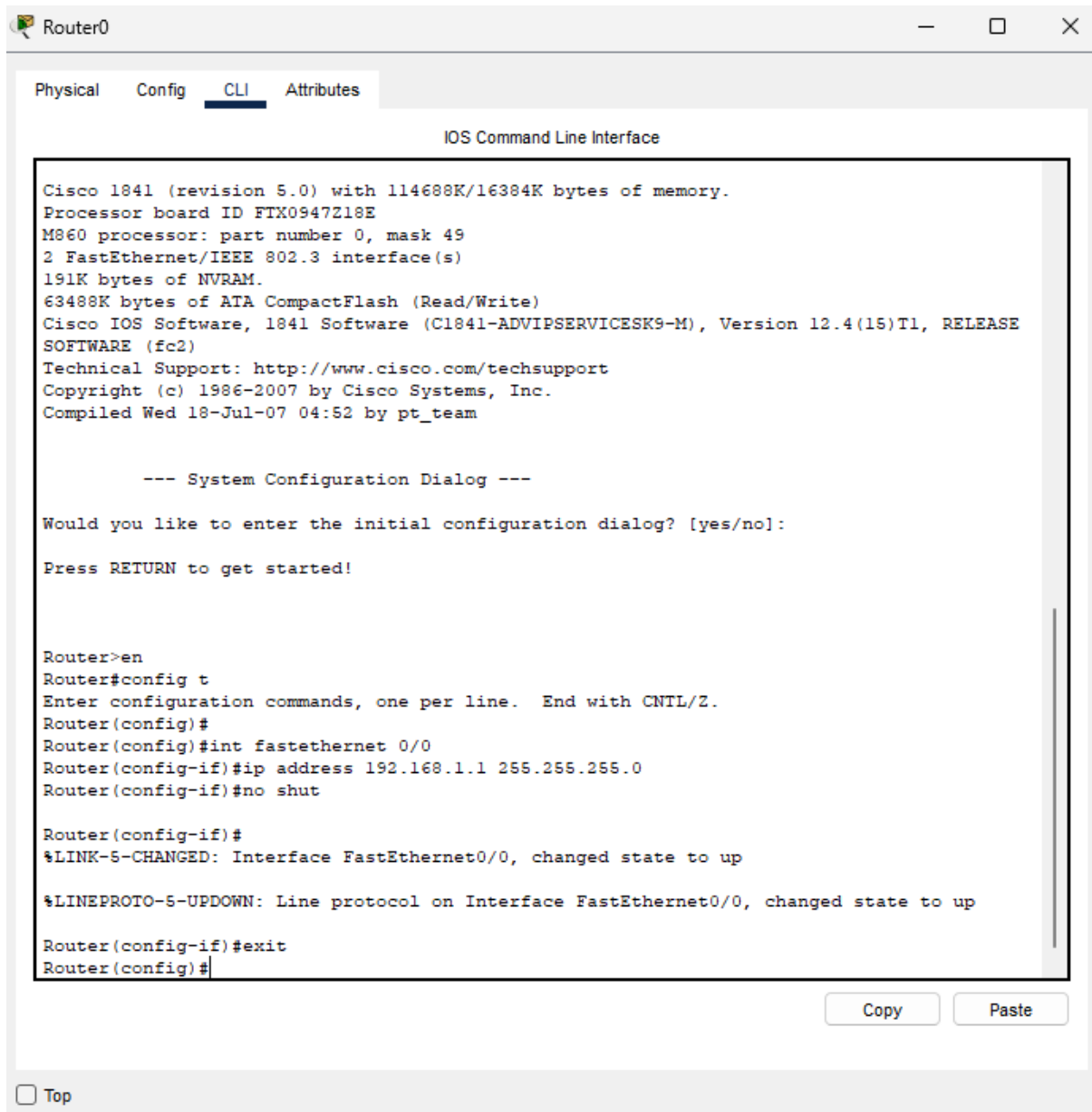
Field	Value
IPv6 Address	
Link Local Address	FE80::2D0:97FF:FE55:A977
Default Gateway	
DNS Server	

Under '802.1X', the 'Use 802.1X Security' checkbox is unchecked. The 'Authentication' dropdown is set to 'MD5'. The 'Username' and 'Password' fields are empty.

At the bottom left, there is a 'Top' button.

4. Configure the router using the following commands

- en
- config t
- int fastethernet 0/0
- ip address 192.168.1.1 255.255.255.0
- no shut
- exit



The screenshot shows a web-based interface for a Cisco 1841 router. The window title is "Router0". There are four tabs: "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is selected, showing the "IOS Command Line Interface". The interface displays the router's boot-up information, including hardware details and the IOS version (12.4(15)T1). It then prompts the user to enter the initial configuration dialog. The user has entered the commands: "en", "config t", "int fastethernet 0/0", "ip address 192.168.1.1 255.255.255.0", and "no shut". The router has responded with status messages for the interface and line protocol. The user has then entered "exit" to return to the configuration mode. At the bottom of the CLI window, there are "Copy" and "Paste" buttons. Below the CLI window, there is a "Top" button.

```
Cisco 1841 (revision 5.0) with 114688K/16384K bytes of memory.
Processor board ID FTX0947218E
M860 processor: part number 0, mask 49
2 FastEthernet/IEEE 802.3 interface(s)
191K bytes of NVRAM.
63488K bytes of ATA CompactFlash (Read/Write)
Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE
SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 04:52 by pt_team

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:

Press RETURN to get started!

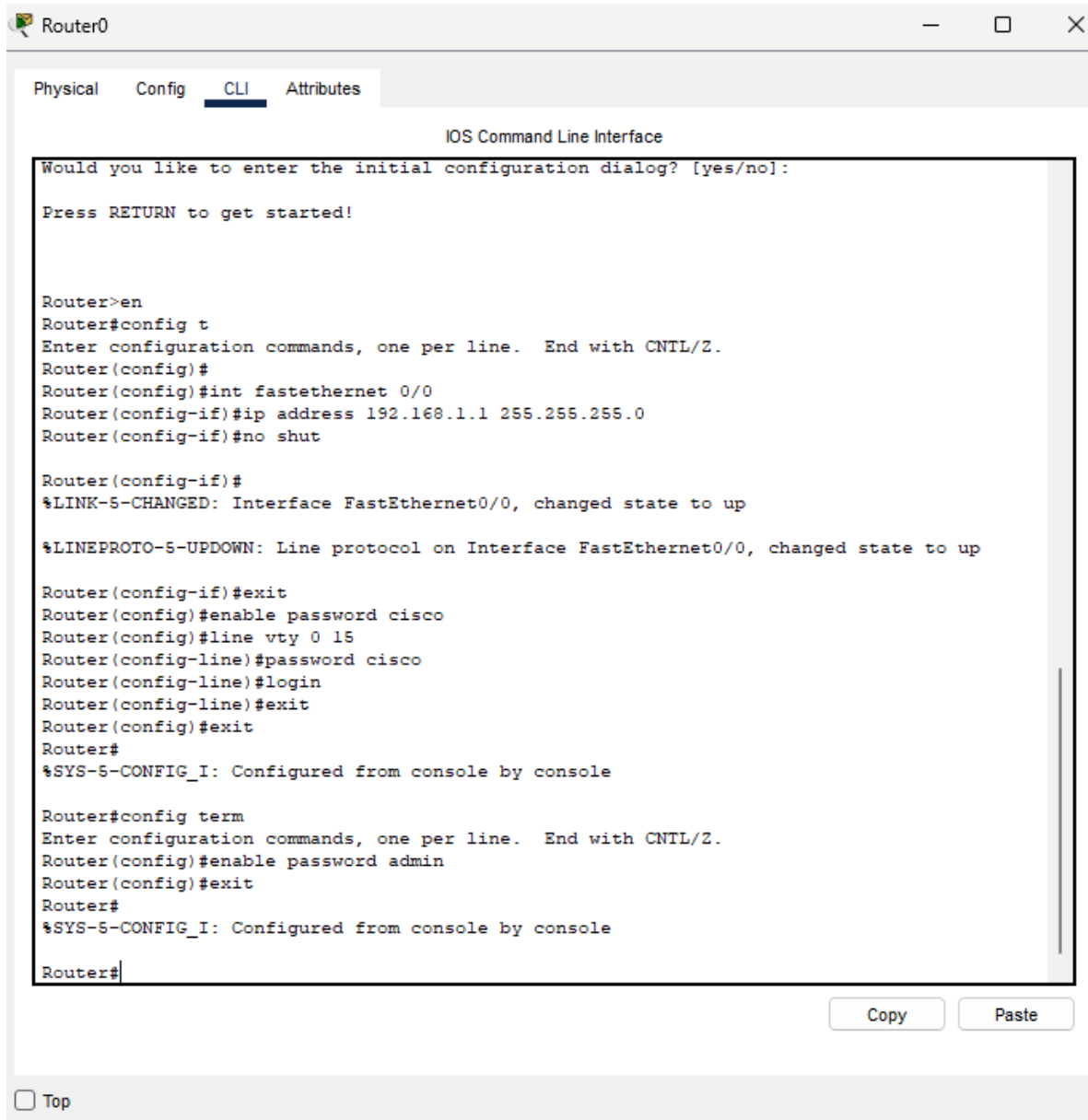
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#int fastethernet 0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#
```

☐ Top

5. Configure the router for telnet using the commands

- enable password cisco
- line vty 0 15
- password cisco
- login



```
Router0
Physical Config CLI Attributes
IOS Command Line Interface
Would you like to enter the initial configuration dialog? [yes/no]:
Press RETURN to get started!

Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#int fastethernet 0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#enable password cisco
Router(config)#line vty 0 15
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#config term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#enable password admin
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

Copy Paste

☐ Top

6. Using the PC0, in the command prompt of the admin PC type following the command

- telnet 192.168.1.1

7. Provide Telnet Password (admin) then hit enter. Correct password allows you access the CLI of the router.

## **Conclusion**

We have successfully configured Telnet Protocol on two router using cisco packet tracer