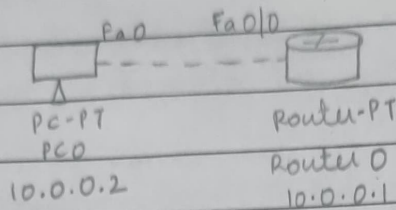


Experiment 9: To understand the operation of TELNET

Aim: To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

Topology:



A router connected to a single PC via a fastethernet interface with copper cross-over cable.

Procedure:

1. Open cisco packet tracer and drag a pc & a router
2. Connect the pc to the router via fastethernet interface with a copper cross-over cable
3. Assign the IP address to the PC - 10.0.0.2 with gateway as 10.0.0.1

Configure the router:

Router > enable

Router # config

Router (config) # hostname r1

r1 (config) # enable secret pl

r1 (config) # ~~enable~~ ~~secret~~ interface fastethernet 0/0

r1 (config-if) # ip address 10.0.0.1 255.0.0.0

r1 (config-if) # no shut

```
91 (config-if) # line vty 0 5
91 (config-if) # login
91 (config-line) # password po
91 (config-line) # exit
91 (config) # exit
91 # uel.
```

In command prompt:

ping 10.0.0.1

Password for user authentication is po

Password for enable is pl

Observations:

Telnet is a protocol for remote access to servers. It allows command-line communication over a network.

The PC is able to send the data to the router and indicates that the gateway is available and connected.