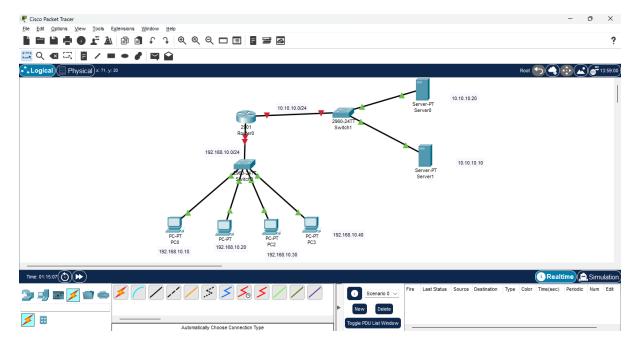
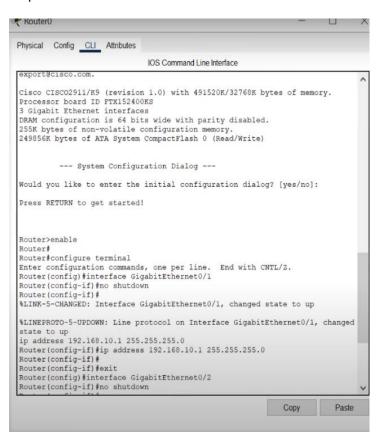
Q10) Implement ACLs to restrict traffic based on source and destination ports. Test rules by simulating legitimate and unauthorized traffic.

Access Control Lists (ACLs) are used in Cisco devices to **filter traffic** based on conditions like source/destination IPs, protocols, and ports. This ensures network security by allowing only authorized traffic.



## Steps:



```
Kouteru
                                                                                                                                                         Physical Config CLI Attributes
                                                                 IOS Command Line Interface
  Router (config) #
   Router (config) #
Router (config) #
   Router (config) #
   Router(config)#
Router(config)#acce
  Router(config) #acce

Router(config) #access-list 10 per

Router(config) #access-list 10 permit ?

A.B.C.D Address to match

any Any source host

host A single host address

Router(config) #access-list 10 permit host 192.168.10.10

Router(config) #

Router(config) #

Router(config) #
   Router (config) #
  Router(config) #acc
Router(config) #access-list 10 de
Router(config) #access-list 10 deny any ?
      (cr>
   Router(config) #access-list 10 deny any
   Router (config) #
   Router (config) #
Router (config) #
   Router (config) #
   Router(config) #
Router(config)#
   Router(config) #int gig0/1
Router(config-if) #
Router(config-if) #
  Router(config-if)#
Router(config-if)#access-
Router(config-if)#access-gr
Router(config-if)#access-grou
Router(config-if)#access-grou
Router(config-if)#ip acc
  Router(config-if) #ip access-group 10
                                                                                                                                   Copy Paste
```

## Result:

