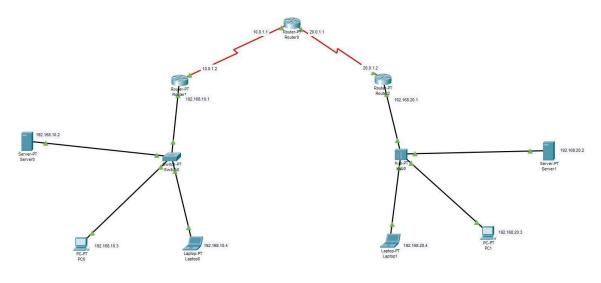
Practical 3: Exploring Router and VLAN security, setting up access lists using cisco packet tracer



```
Router(config-if) #ip address 10.0.1.1 255.0.0.0
Router(config-if) #no shutdown
Router(config-if)#
Router(config-if) #exit
Router(config) #interface Serial3/0
Router(config-if) #ip address
% Incomplete command.
Router(config-if) #ip address 20.0.1.1 255.0.0.0
Router(config-if) #ip address 20.0.1.1 255.0.0.0
Router(config-if) #no shutdown
Router(config-if)#
Router(config-if) #exit
Router(config) #interface Serial2/0
Router(config-if)#
Router(config-if) #exit
Router(config) #interface Serial3/0
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
Router(config-if) #exit
Router(config) #router rip
Router(config-router) #network 10.0.0.0
Router(config-router) #network 20.0.0.0
Router(config-router)#
Router (config-router) #end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #interface Serial2/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```

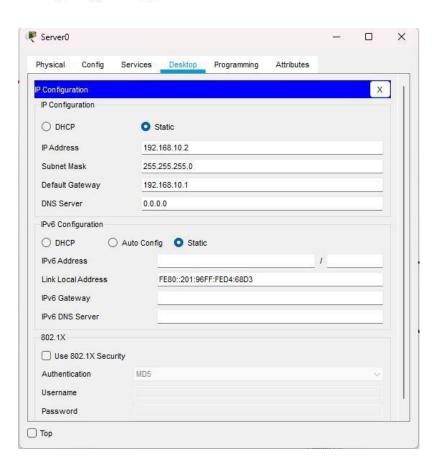
Router(config-if)#

```
Would you like to enter the initial configuration dialog? [yes/no]: n
Press RETURN to get started!
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial2/0
Router(config-if) #ip address 10.0.1.2 255.0.0.0 Router(config-if) #ip address 10.0.1.2 255.0.0.0
Router(config-if) #no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
Router(config-if) #exit
Router(config) #interface FastEthernet0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if) #no shutdown
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) #router rip
Router(config-router) #network 10.0.0.0
Router(config-router) #network 192.168.10.0
Router(config-router) #
Router(config-router) #end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
no network 10.0.0.0
Router(config-router) #network 10.0.0.0
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #interface Serial2/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-if) #exit
Router(config)#interface FastEthernet0/0
```

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

Press RETURN to get started!

Router>enable Routerf Router#configure terminal Enter configuration commands, one per line. End with CNTL/Z. Router(config) #interface Serial2/0 Router(config-if) #ip address 20.0.1.2 255.0.0.0 Router(config-if) #no shutdown Router (config-if) # %LINK-5-CHANGED: Interface Serial2/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up Router(config-if) #exit Router(config) #interface FastEthernet0/0 Router(config-if) #ip address 192.168.20.1 255.255.255.0 Router(config-if) #ip address 192.168.20.1 255.255.255.0 Router(config-if) #no shutdown 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) #router rip Router(config-router) #network 20.0.0.0 Router(config-router) #network 192.168.20.0 Router(config-router)#



IPv6 Address
Link Local Address

IPv6 Gateway
IPv6 DNS Server
802.1X

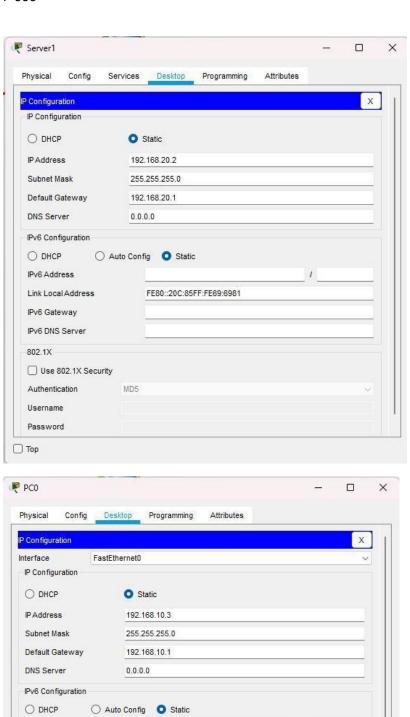
Use 802.1X Security

Authentication

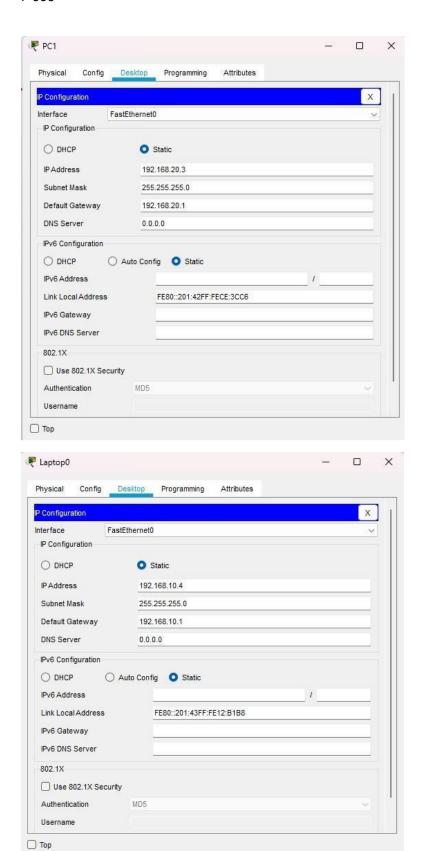
Username

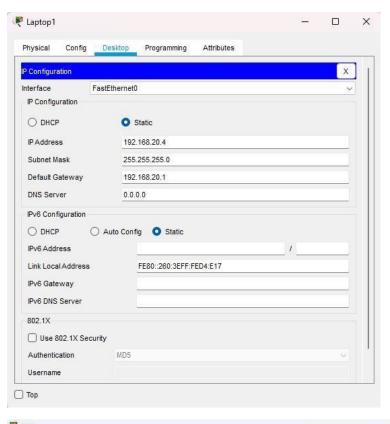
□ Тор

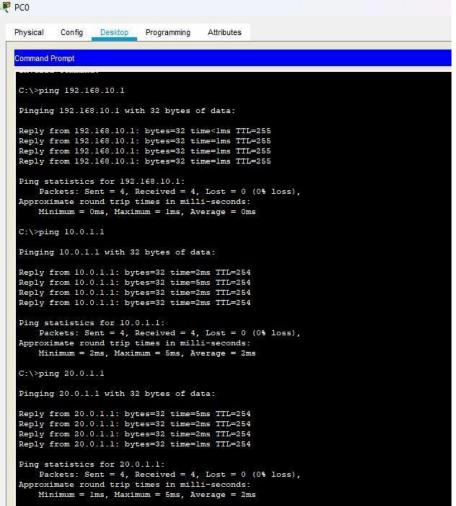
MD5



FE80::201:43FF:FE98:6CA3







Physical Config Desktop Programming Attributes

Command Prompt

```
Ping statistics for 192.168.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 10.0.1.1
Pinging 10.0.1.1 with 32 bytes of data:
Reply from 10.0.1.1: bytes=32 time=2ms TTL=254
Ping statistics for 10.0.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 5ms, Average = 2ms
C:\>ping 20.0.1.1
Pinging 20.0.1.1 with 32 bytes of data:
Reply from 20.0.1.1: bytes=32 time=5ms TTL=254
Reply from 20.0.1.1: bytes=32 time=2ms TTL=254
Reply from 20.0.1.1: bytes=32 time=2ms TTL=254
Reply from 20.0.1.1: bytes=32 time=1ms TTL=254
Ping statistics for 20.0.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 5ms, Average = 2ms
C:\>ping 192.168.20.1
Pinging 192.168.20.1 with 32 bytes of data:
Reply from 192.168.20.1: bytes=32 time=18ms TTL=253
Reply from 192.168.20.1: bytes=32 time=6ms TTL=253
Reply from 192.168.20.1: bytes=32 time=2ms TTL=253
Reply from 192.168.20.1: bytes=32 time=11ms TTL=253
Ping statistics for 192.168.20.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 18ms, Average = 9ms
C:\>ping 192.168.20.3
Pinging 192.168.20.3 with 32 bytes of data:
Request timed out.
Reply from 192.168.20.3: bytes=32 time=14ms TTL=125
Reply from 192.168.20.3: bytes=32 time=6ms TTL=125
Reply from 192.168.20.3: bytes=32 time=2ms TTL=125
Ping statistics for 192.168.20.3:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 14ms, Average = 7ms
C:\>
```

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #access-list?
access-list
Router(config) #access-list
% Incomplete command.
Router(config) #access-list?
access-list
Router(config) #access-list
% Incomplete command.
Router(config) #access-list?
access-list
Router(config) #access-list ?
 <1-99> IP standard access list
<100-199> IP extended access list
Router(config) #access-list
% Incomplete command.
Router(config) #interface FastEthernet0/0
Router(config-if) #access-list 10 deny 192.168.10.2 0.0.0.0
Router(config) #access-list 10 permit any
Router(config) #access-list 10 deny 192.168.10.2 0.0.0.0
Router(config) #interface s0
% Invalid input detected at '^' marker.
Router(config) #interface FastEthernet0/0
Router(config-if) #interface Se
Router(config-if)#interface Serial2/0
Router(config-if) #ip access-group 10 out
Router(config-if)#exit
Router(config)#
```