



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

CSE 3501 – INFORMATION SECURITY ANALYSIS AND AUDIT

**(B.Tech. _CSE WITH SPECIALISATION IN BIOINFORMATICS)
FALL SEM 2022 - 23**

LAB ASSIGNMENT 4

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Slot:	L7 + L8
Faculty Name:	SWETHA NG

VIT – A Place to Learn; A Chance to Grow

EXERSISE-7

Aim:

Configuring standard access list

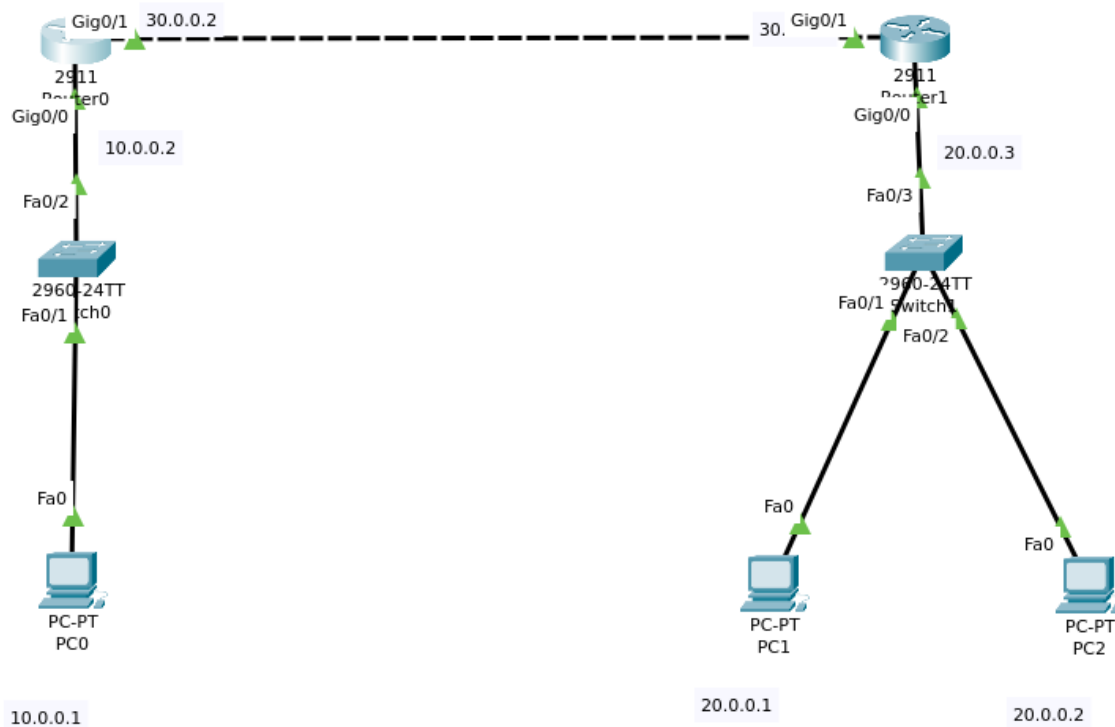
Tools and Concepts used:

Cisco packet tracer with the concept of Implementing standard access list in a static routing network

Procedure:

1. Make a static routing network with 2 Pc's on the source side and 1 Pc on destination side.
2. Configure routers accordingly
3. Configure standard access list in the router nearer to the destination
4. Test the network by ping from source Pc's to destination

Output:



Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

Static Routes

Network

Mask

Next Hop

Add

Network Address

20.0.0.0/8 via 30.0.0.2

Remove

Equivalent IOS Commands

Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 1 deny host 20.0.0.1
Router(config)#access-list 1 permit any
Router(config)#int Gig0/0
Router(config-if)#ip access-group 1 out
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#

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Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

Static Routes

Network

Mask

Next Hop

Add

Network Address

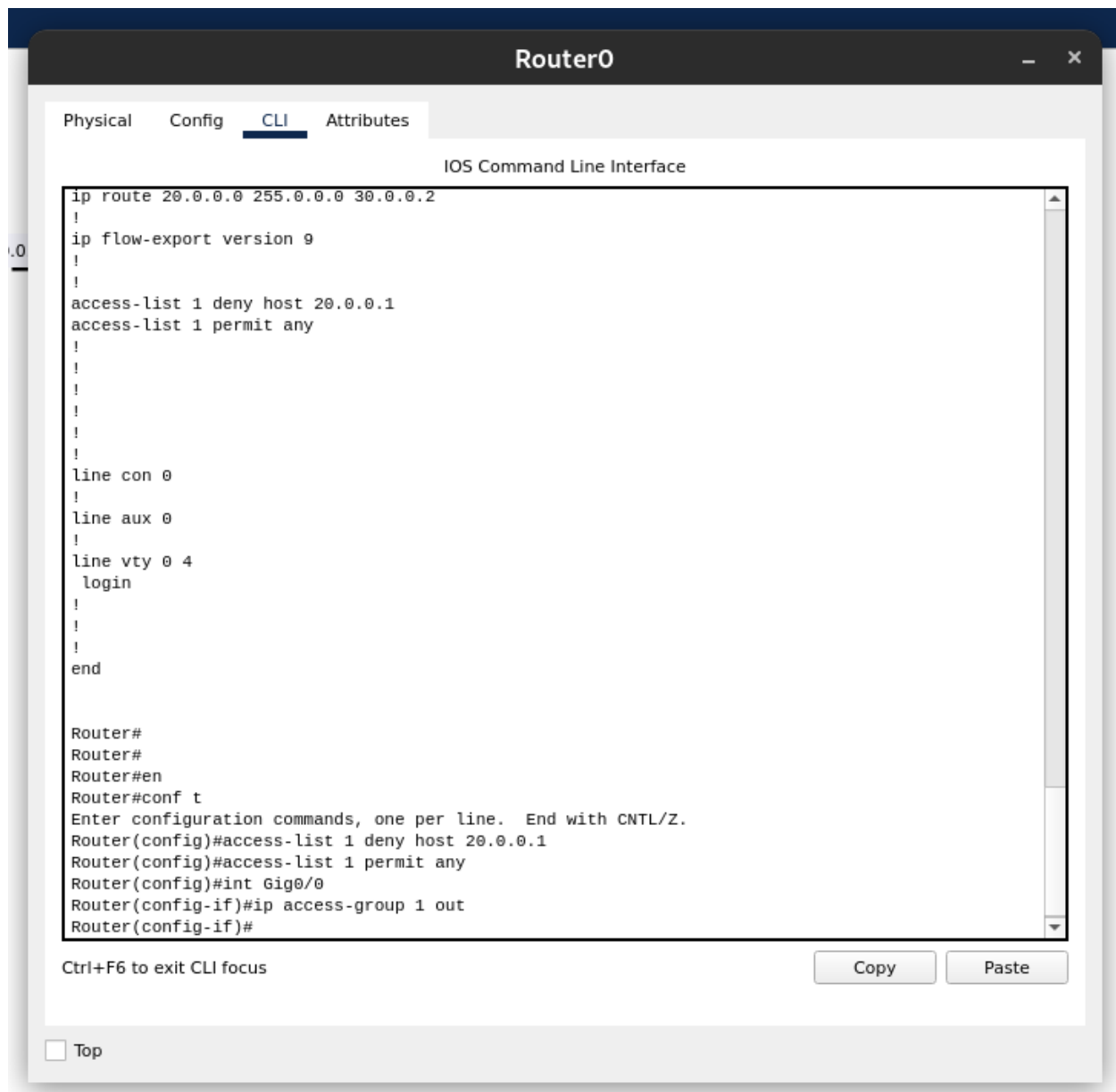
10.0.0.0/8 via 30.0.0.1

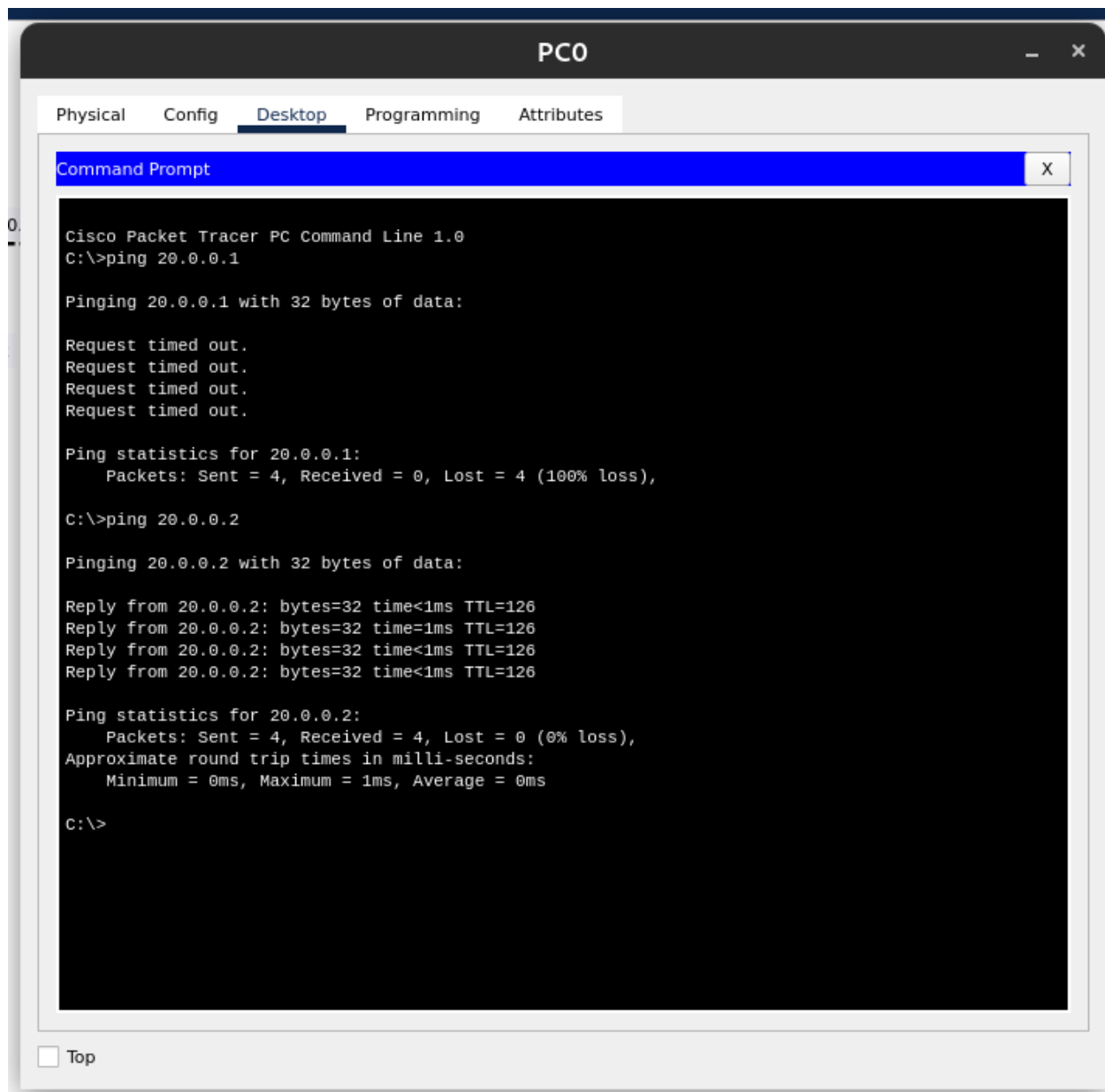
Remove

Equivalent IOS Commands

Router#
Router#
Router#
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#

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Result:

Successfully denied access list of Pc1 (20.0.0.1) and permitted rest

EXERCISE 8:

Aim:

To Configure Extended Access List

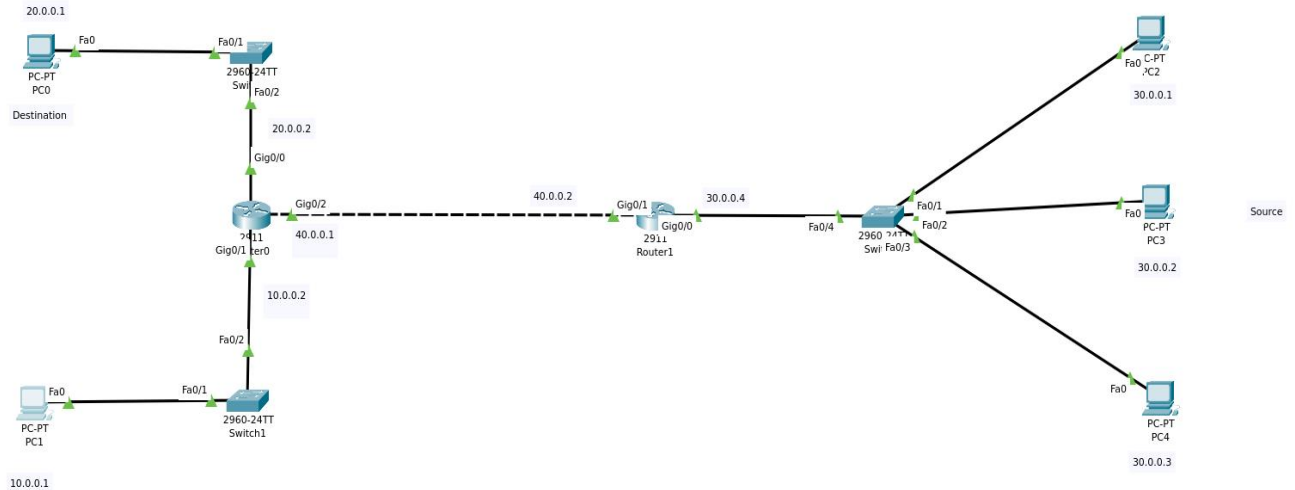
Tools and Concepts used:

Cisco packet tracer with the concept of Implementing extended access list in a static routing network

Procedure:

1. Make a static routing network with 3 Pc's on the source side and 2 Pc's connected to 2 different switches on destination side.
2. Configure routers accordingly
3. Configure standard access list in the router nearer to the Source
4. Test the network by ping from source Pc's to destination

Output:



Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

Static Routes

Network

Mask

Next Hop

Add

Network Address

30.0.0.0/8 via 40.0.0.2

Remove

Equivalent IOS Commands

Press RETURN to get started!

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#

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Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0

GigabitEthernet0/1

GigabitEthernet0/2

Static Routes

Network

Mask

Next Hop

Add

Network Address

10.0.0.0/8 via 40.0.0.1

20.0.0.0/8 via 40.0.0.1

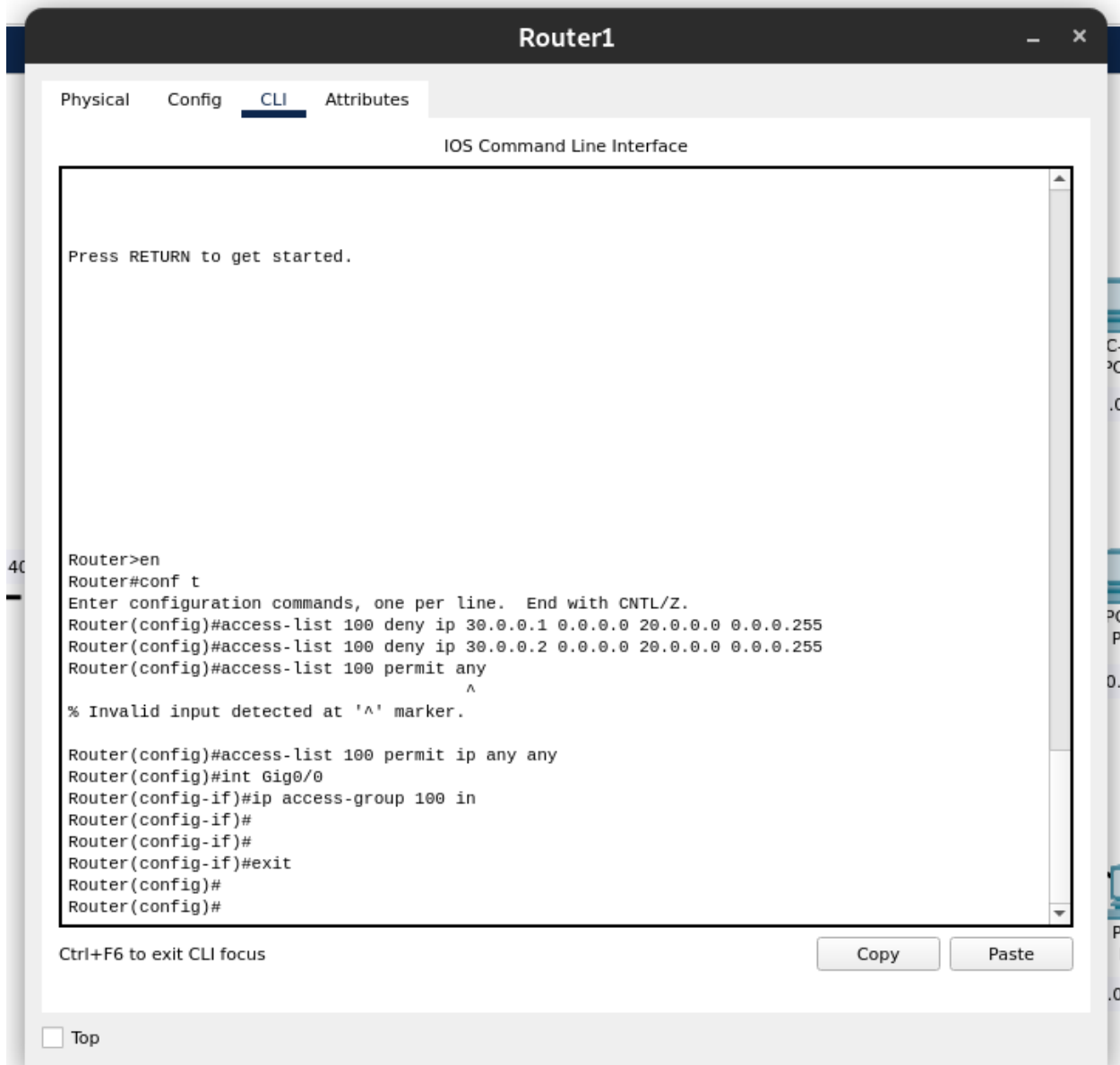
Remove

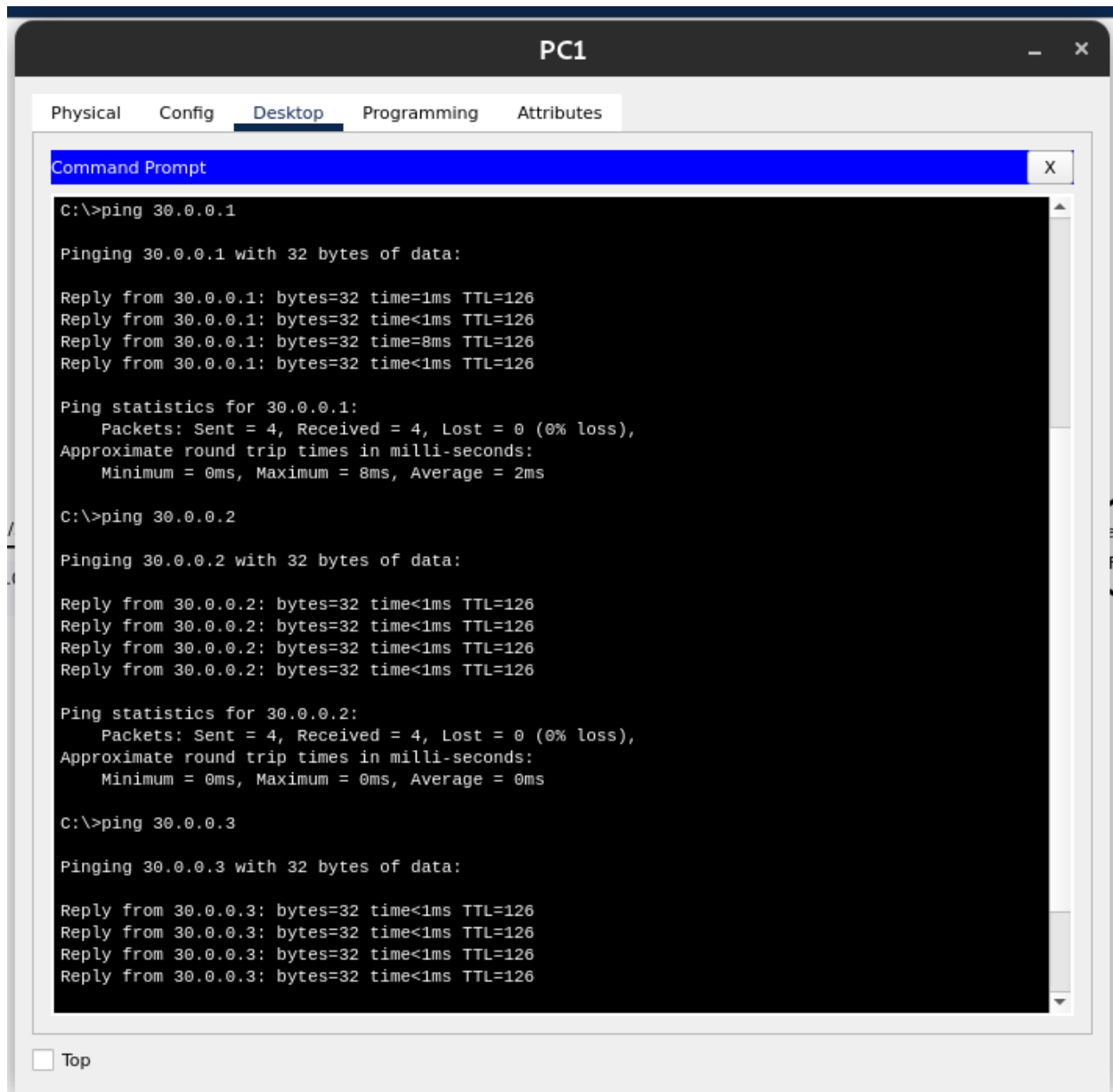
Equivalent IOS Commands

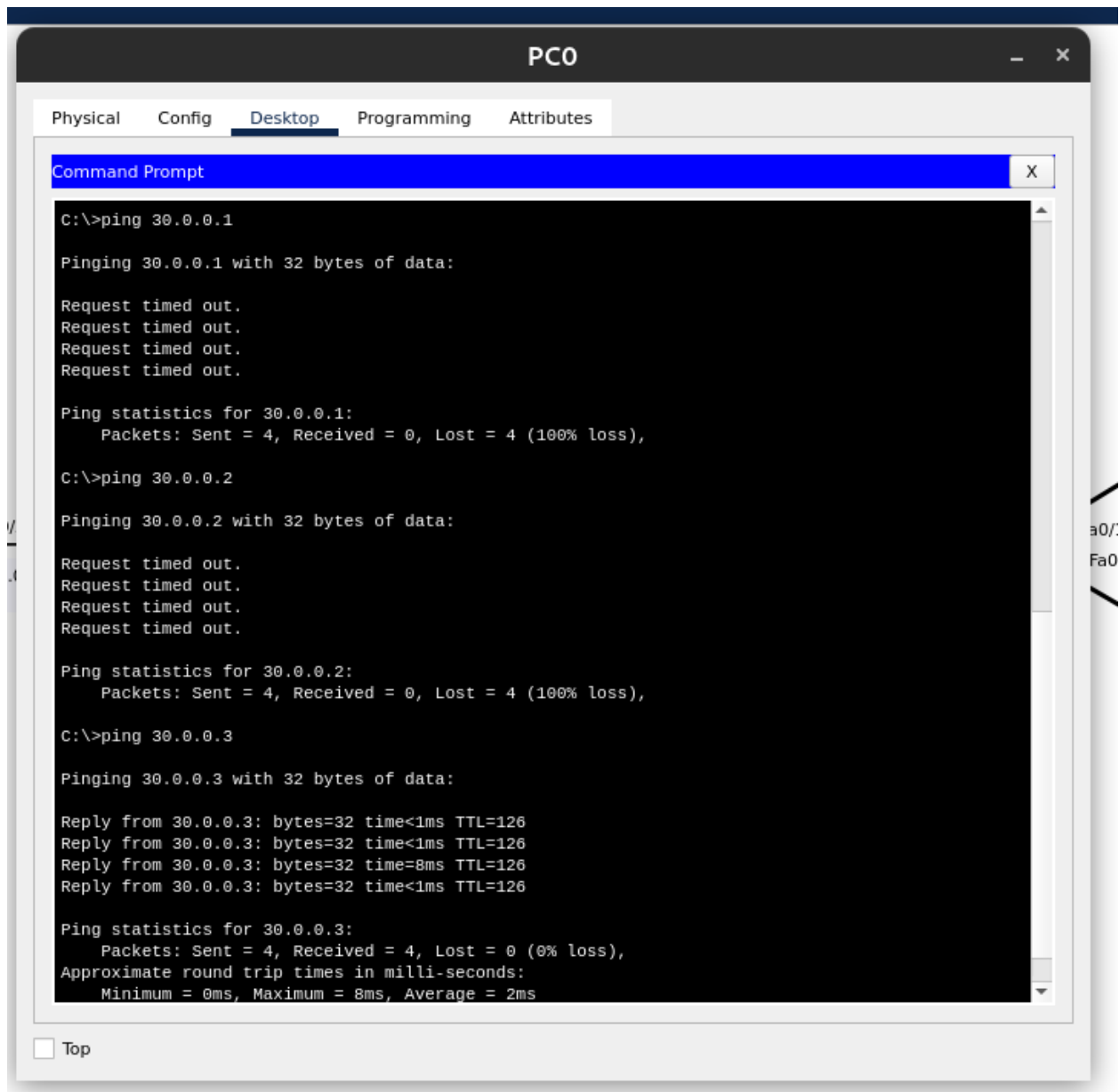
% Invalid input detected at '^' marker.

Router(config)#access-list 100 permit ip any any
Router(config)#int Gig0/0
Router(config-if)#ip access-group 100 in
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#

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Result:

Successfully Denied access to 30.0.0.1 and 30.0.0.2 .