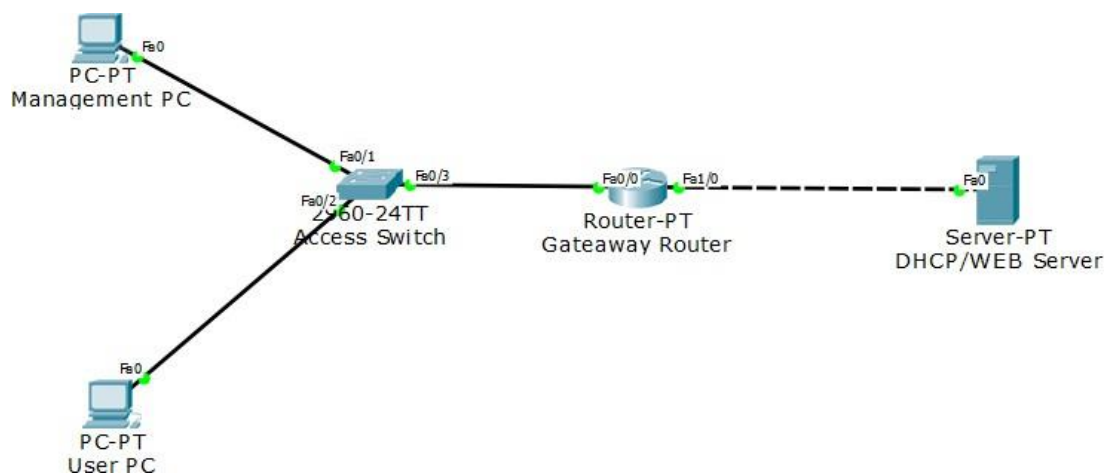


**NATIONAL UNIVERSITY OF COMPUTER &  
EMERGING SCIENCE  
Computer Network Lab (CL3001)  
Lab Session 13**

**Lab Exercise:**

| Addressing Table    |            |               |                 |
|---------------------|------------|---------------|-----------------|
| Device              | IP Address | Subnet Mask   | Default-Gateway |
| Management PC       | xx.1.0.1   | 255.255.255.0 | xx.1.0.254      |
| User PC             | xx.1.0.2   | 255.255.255.0 | xx.1.0.254      |
| Gateway Router G0/0 | xx.1.0.254 | 255.255.255.0 |                 |
| Gateway Router G0/1 | xx.2.0.254 | 255.255.255.0 |                 |
| DHCP / WEB server   | xx.2.0.1   | 255.255.255.0 | xx.2.0.254      |



Gateway Router

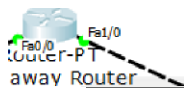
Physical Config CLI

### IOS Command Line Interface

```
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#enable password cna
Router(config)#line vty 0 4
Router(config-line)#password cnp
Router(config-line)#login
Router(config-line)#exit
Router(config)#access-list permit 40.1.0.1 255.255.255.0
^
% Invalid input detected at '^' marker.

Router(config)#access-list 2 permit 40.1.0.1
255.255.255.0
Router(config)#access-list 2 deny any
Router(config)#line vty 0 4
Router(config-line)#access-class 2 in
Router(config-line)#exit
Router(config)#
Router(config)#interface FastEthernet0/0
```

Copy Paste



Gateway Router

Physical Config CLI

### IOS Command Line Interface

```
Router>en
Router#ip access-list extended web_only
% Invalid input detected at " " marker.

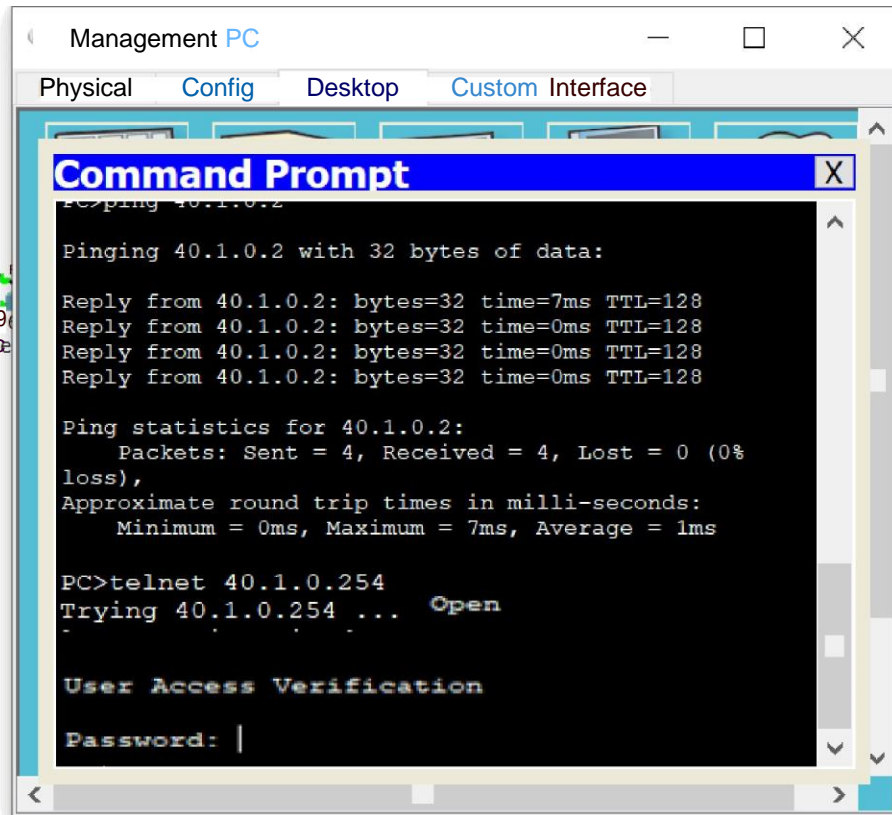
Router#conf t
Enter configuration commands, one per line. End with

Router(config)#ip access-list extended web_only
Router(config-e&t-nacl)#permit tcp any host 40.2.0.1 eq
% Incomplete command.
Router(config-e&t-nacl)#permit tcp any host 40.2.0.1 eq

Router(config-e&t-nacl)#
Router(config-e&t-nacl)#eEit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip access-group web_only in
Router(config-if)#exit
```

Copy Paste





Physical config Desktop Custom Interface

## Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>telnet 40.1.0.254
Trying 40.1.0.254 ...
% Connection refused by remote host
PC>
```

Management PC

Physical Config Desktop Custom Interface

## Command Prompt

```
Reply from 40.1.0.254: Destination host unreachable.
Reply from 40.1.0.254: Destination host unreachable.

Ping statistics for 40.1.0.254:
    Packets: Sent = 4, Received = 0, Lost = 4 (100%
    loss),

PC>ping 40.1.0.2

Pinging 40.1.0.2 with 32 bytes of data:

Reply from 40.1.0.2: bytes=32 time=7ms TTL=128
Reply from 40.1.0.2: bytes=32 time=0ms TTL=128
Reply from 40.1.0.2: bytes=32 time=0ms TTL=128
Reply from 40.1.0.2: bytes=32 time=0ms TTL=128

Ping statistics for 40.1.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0%
    loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 1ms
PC>
```

0/3  
T  
tch

