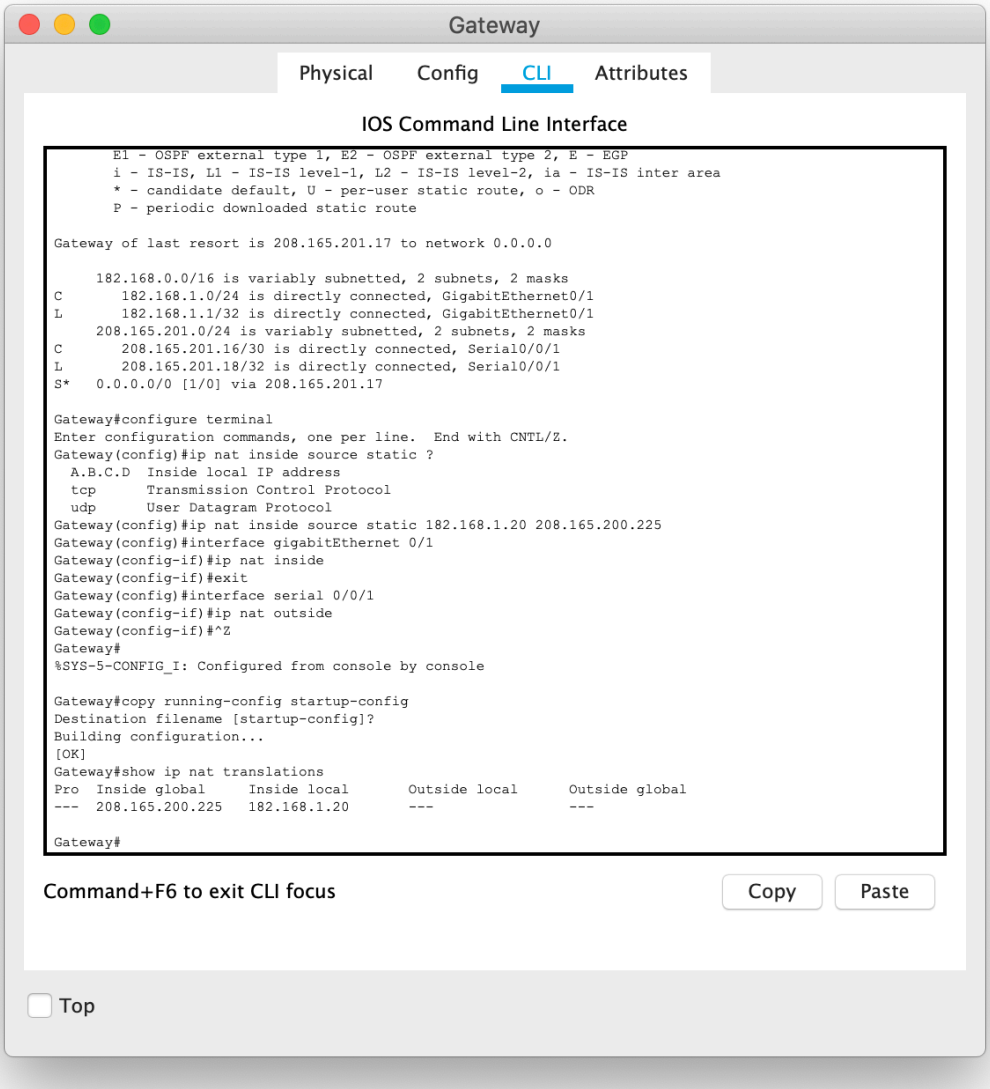
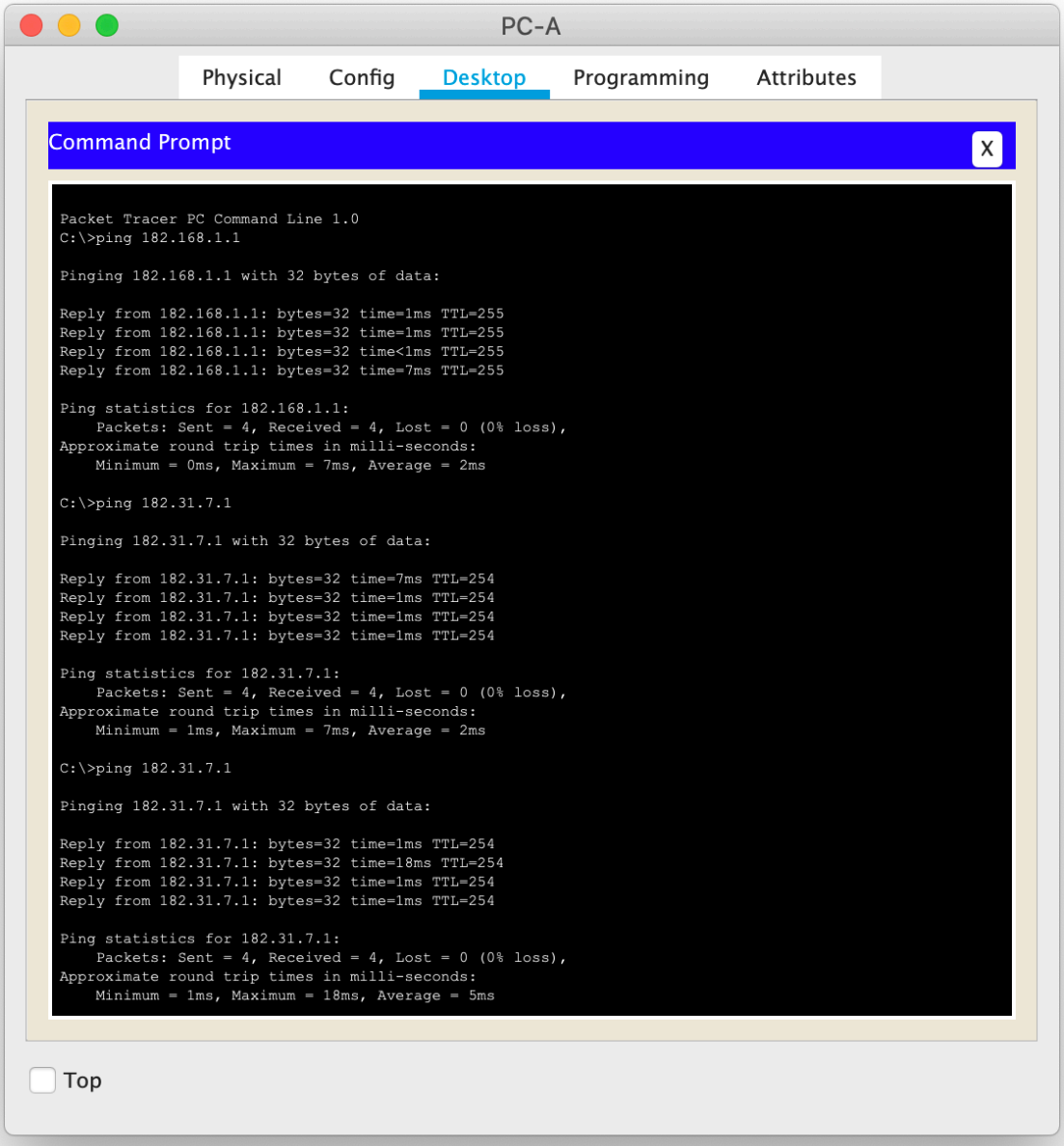
Name : Vaidehi Vatsaraj (2018130060)
Jahnvi Shah (2018130047)

Date : 15/10/2020

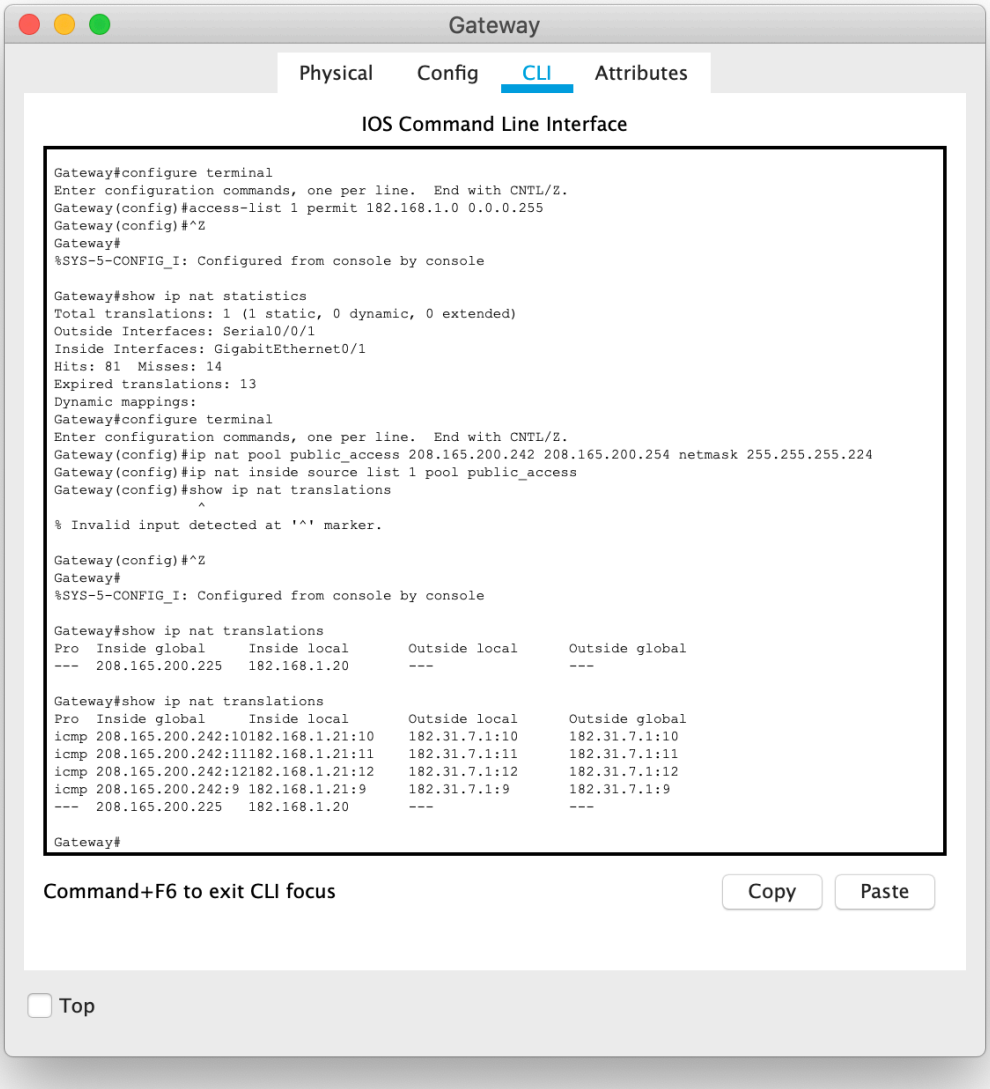
DCCN LAB ISE2

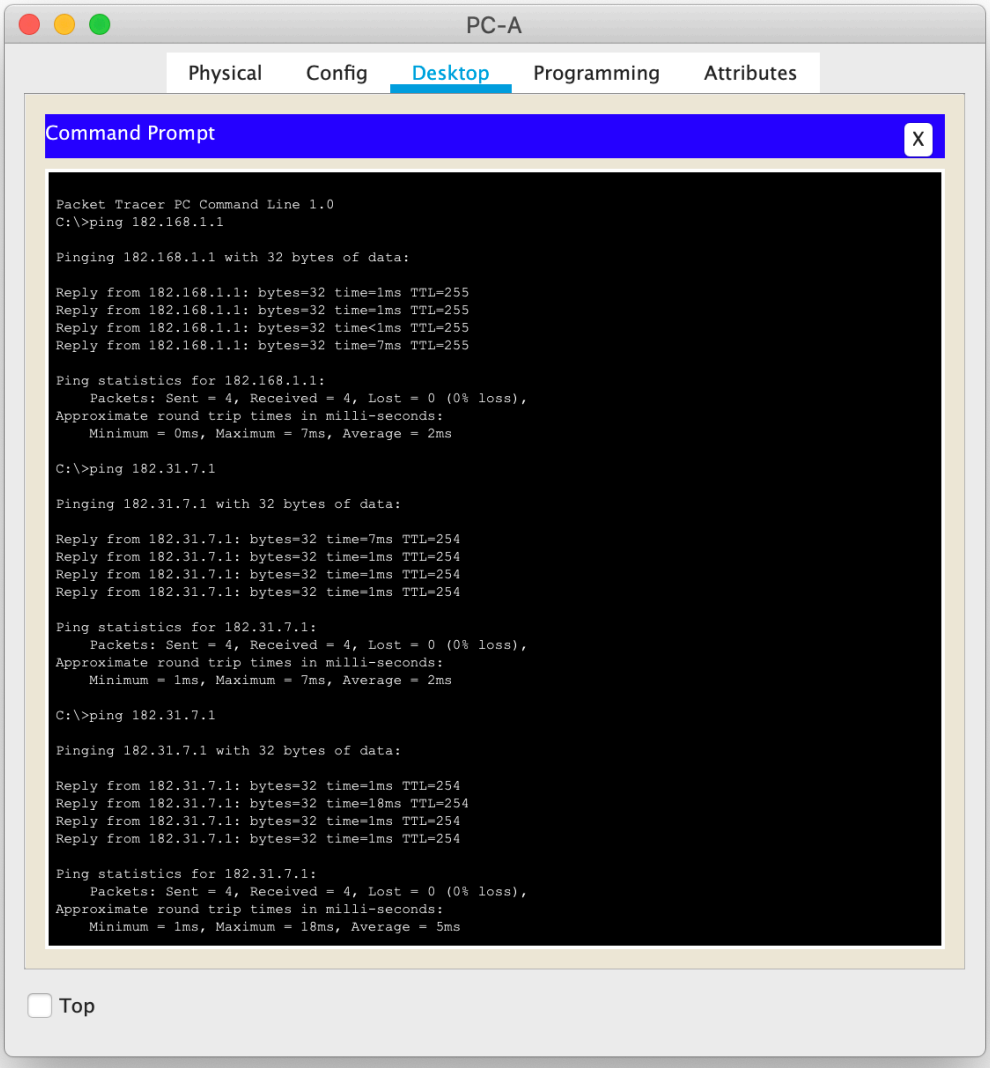
Task 1

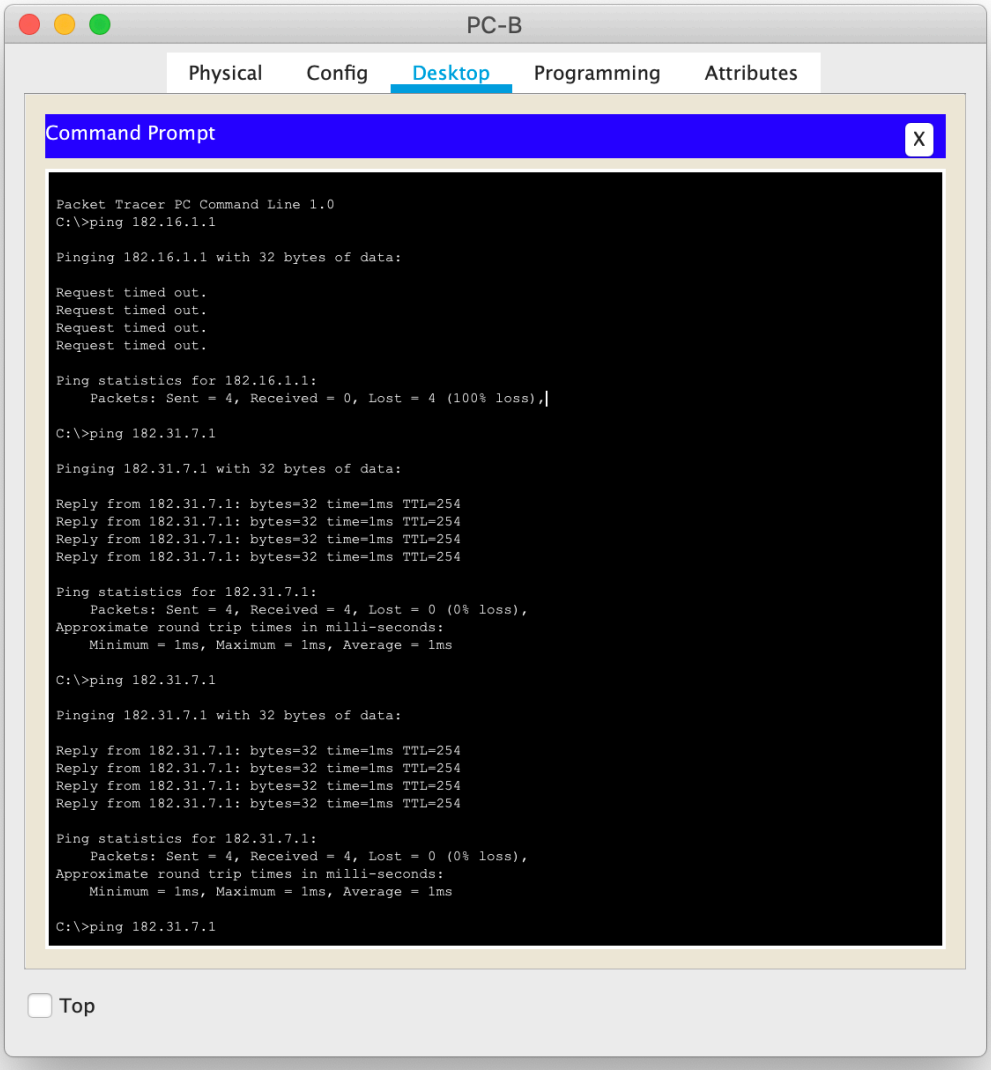



PC-A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 182.168.1.1
Pinging 182.168.1.1 with 32 bytes of data:
Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time<1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=7ms TTL=255
Ping statistics for 182.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 7ms, Average = 2ms
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=7ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 7ms, Average = 2ms
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=18ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 18ms, Average = 5ms
Top

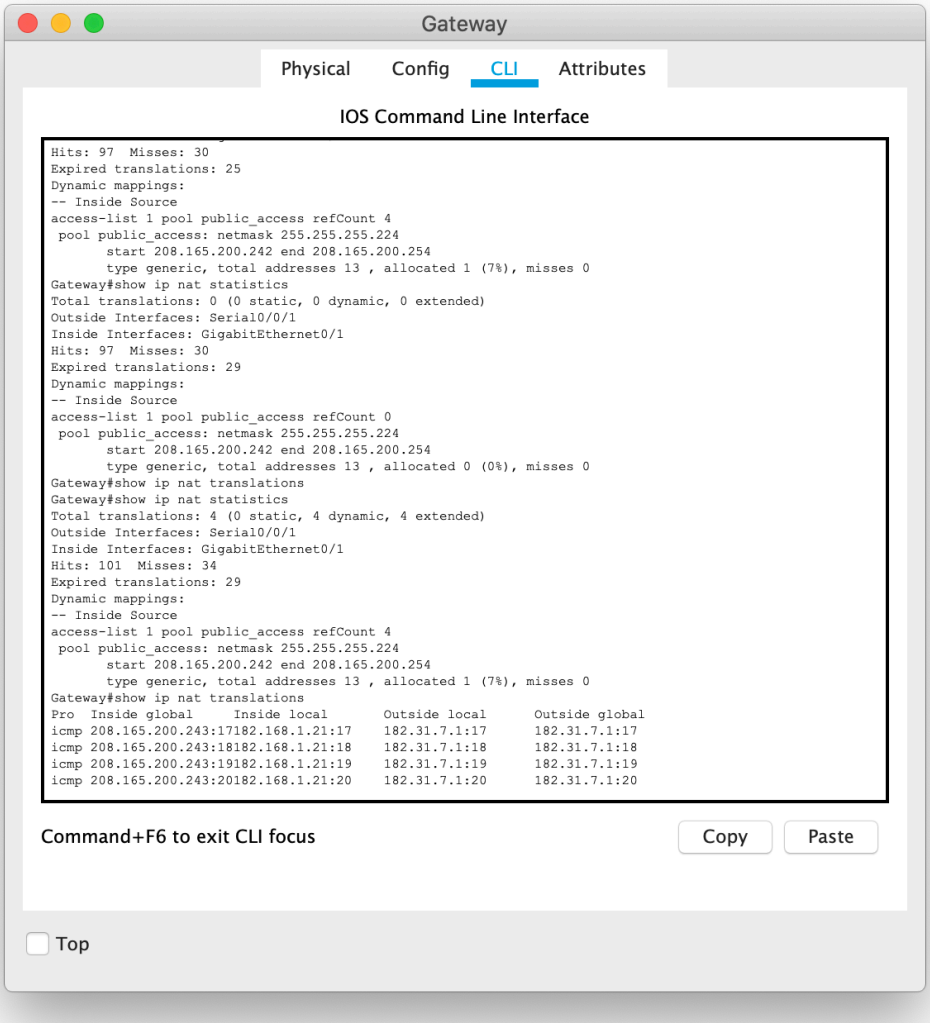
Task 2


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#access-list 1 permit 182.168.1.0 0.0.0.255
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#show ip nat statistics
Total translations: 1 (1 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 81 Misses: 14
Expired translations: 13
Dynamic mappings:
Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#ip nat pool public_access 208.165.200.242 208.165.200.254 netmask 255.255.255.224
Gateway(config)#ip nat inside source list 1 pool public_access
Gateway(config)#show ip nat translations
^
% Invalid input detected at '^' marker.
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#show ip nat translations
Pro Inside global Inside local Outside local Outside global
--- 208.165.200.225 182.168.1.20 --- ---
Gateway#show ip nat translations
Pro Inside global Inside local Outside local Outside global
icmp 208.165.200.242:10182.168.1.21:10 182.31.7.1:10 182.31.7.1:10
icmp 208.165.200.242:11182.168.1.21:11 182.31.7.1:11 182.31.7.1:11
icmp 208.165.200.242:12182.168.1.21:12 182.31.7.1:12 182.31.7.1:12
icmp 208.165.200.242:9 182.168.1.21:9 182.31.7.1:9 182.31.7.1:9
--- 208.165.200.225 182.168.1.20 --- ---
Gateway#
Command+F6 to exit CLI focus
Copy
Paste
Top


PC-A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 182.168.1.1
Pinging 182.168.1.1 with 32 bytes of data:
Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time<1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=7ms TTL=255
Ping statistics for 182.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 7ms, Average = 2ms
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=7ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 7ms, Average = 2ms
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=18ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 18ms, Average = 5ms
Top


PC-B
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 182.16.1.1
Pinging 182.16.1.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 182.16.1.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 1ms, Average = 1ms
C:\>ping 182.31.7.1
Pinging 182.31.7.1 with 32 bytes of data:
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Ping statistics for 182.31.7.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 1ms, Average = 1ms
C:\>ping 182.31.7.1
Top

Task 3


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Hits: 97 Misses: 30
Expired translations: 25
Dynamic mappings:
-- Inside Source
access-list 1 pool public_access refCount 4
 pool public_access: netmask 255.255.255.224
       start 208.165.200.242 end 208.165.200.254
       type generic, total addresses 13 , allocated 1 (7%), misses 0
Gateway#show ip nat statistics
Total translations: 0 (0 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 97 Misses: 30
Expired translations: 29
Dynamic mappings:
-- Inside Source
access-list 1 pool public_access refCount 0
 pool public_access: netmask 255.255.255.224
       start 208.165.200.242 end 208.165.200.254
       type generic, total addresses 13 , allocated 0 (0%), misses 0
Gateway#show ip nat translations
Gateway#show ip nat statistics
Total translations: 4 (0 static, 4 dynamic, 4 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 101 Misses: 34
Expired translations: 29
Dynamic mappings:
-- Inside Source
access-list 1 pool public_access refCount 4
 pool public_access: netmask 255.255.255.224
       start 208.165.200.242 end 208.165.200.254
       type generic, total addresses 13 , allocated 1 (7%), misses 0
Gateway#show ip nat translations
Pro Inside global   Inside local   Outside local   Outside global
icmp 208.165.200.243:17182.168.1.21:17   182.31.7.1:17   182.31.7.1:17
icmp 208.165.200.243:18182.168.1.21:18   182.31.7.1:18   182.31.7.1:18
icmp 208.165.200.243:19182.168.1.21:19   182.31.7.1:19   182.31.7.1:19
icmp 208.165.200.243:20182.168.1.21:20   182.31.7.1:20   182.31.7.1:20
Command+F6 to exit CLI focus
Copy
Paste
Top

PC-A

Physical | Config | Desktop | Programming | Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 182.168.1.1

Pinging 182.168.1.1 with 32 bytes of data:

Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=1ms TTL=255
Reply from 182.168.1.1: bytes=32 time<1ms TTL=255
Reply from 182.168.1.1: bytes=32 time=7ms TTL=255

Ping statistics for 182.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 7ms, Average = 2ms

C:\>ping 182.31.7.1

Pinging 182.31.7.1 with 32 bytes of data:

Reply from 182.31.7.1: bytes=32 time=7ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254

Ping statistics for 182.31.7.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 7ms, Average = 2ms

C:\>ping 182.31.7.1

Pinging 182.31.7.1 with 32 bytes of data:

Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=18ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254

Ping statistics for 182.31.7.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 18ms, Average = 5ms
```

Top

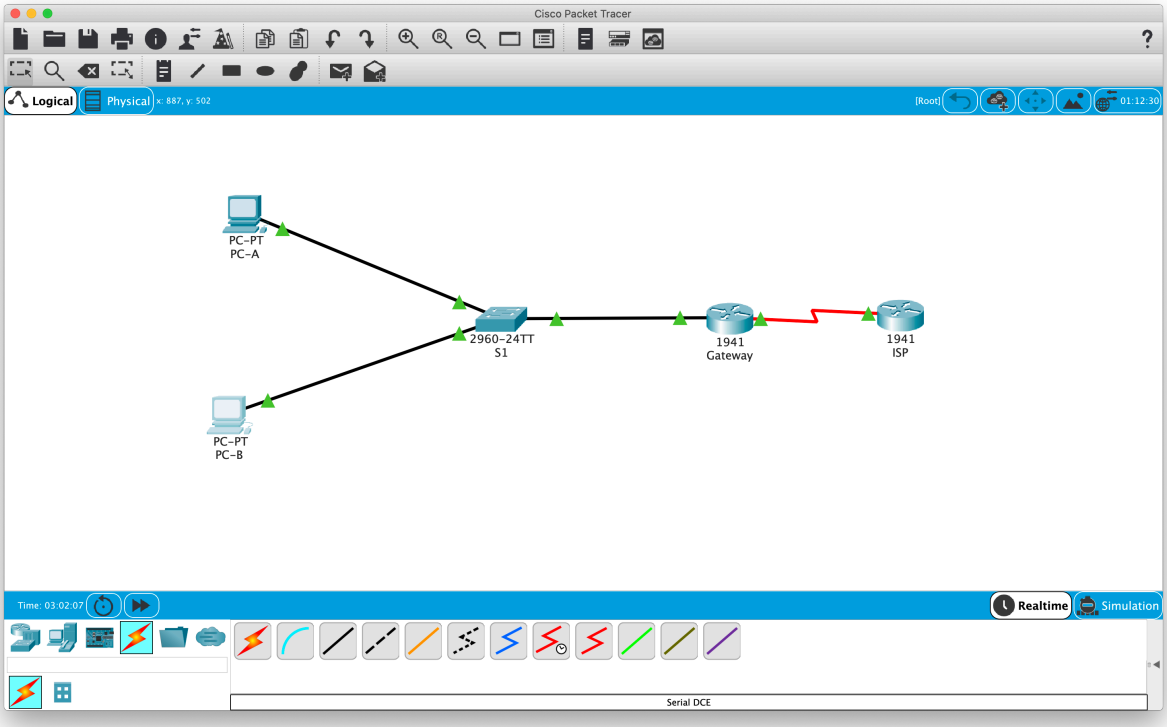
PC-B

Physical | Config | Desktop | Programming | Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 182.16.1.1

Pinging 182.16.1.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 182.16.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 182.31.7.1

Pinging 182.31.7.1 with 32 bytes of data:

Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254

Ping statistics for 182.31.7.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>ping 182.31.7.1

Pinging 182.31.7.1 with 32 bytes of data:

Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254
Reply from 182.31.7.1: bytes=32 time=1ms TTL=254

Ping statistics for 182.31.7.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>ping 182.31.7.1
```

Final Topology



Conclusion : Performed the LAB ISE successfully and appended the screenshots.