Standard ACL

Standard ACL(3 routers).pkt

Overall topology with LAN 1:

C 12.0.0.0
C 192.168.1.0

S 192.168.3.0
S 192.168.2.0
S 13.0.0.0

LAN 1

12.0.0.1

Se0/1/0

12.0.0.2   Se0/1/0   Se0/1/1

13.0.0.1

13.0.0.2   Se0/0/0

LAN 2

C 13.0.0.0
C 192.168.3.0

S 192.168.2.0
S 12.0.0.0
S 192.168.1.0

Fa0/0   R1

192.168.1.1

Fa0/1

Fa0/2   2960-24TT
Switch0
Fa0/3

Fa0

Fa0

PC-PT

PC-PT

2811
Fa0/0   R2

192.168.2.1

Fa0/1

C 13.0.0.0
C 12.0.0.0
C 192.168.2.0

S 192.168.3.0
S 192.168.1.0

Fa0/2   2960-24TT
Switch1
Fa0/3

Fa0

Fa0

PC-PT

PC-PT

Fa0/0   R3

192.168.3.1

Fa0/1

Fa0/2   2960-24TT
Switch2
Fa0/3

Fa0

Fa0

PC-PT   PC-PT
        PC5

Logical   Physical   x: 804, y: 291

Time: 00:07:11

4321 1941 2901 2911 819IOX 819HGW 829 1240 PT-Router PT-Empty 1841 2620XM 2621XM 2811
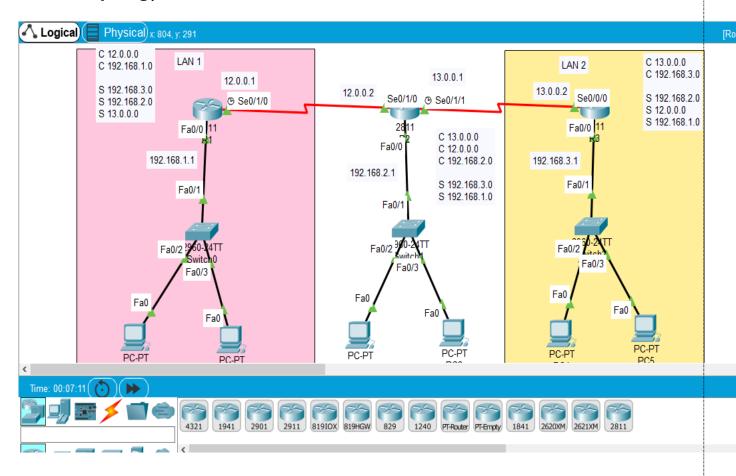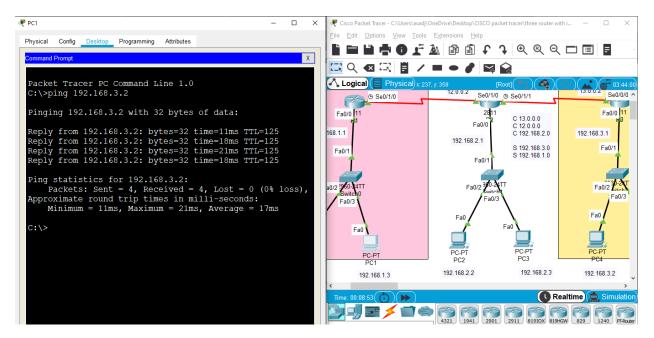
Before applying ACL it is pinged dur to static routing.

For applying standard ACL I followed the following commands to configure ACL applied on LAN2 router.

R3(config)#access-list 1
R3(config)#access-list 1 deny host 192.168.1.2
R3(config)#access-list 1 deny host 192.168.1.3
R3(config)#access-list 1 permit any

R3(config)#do show access-list
Standard IP access list 1
10 deny host 192.168.1.2
20 deny host 192.168.1.3
30 permit any

R3(config)#in fa0/0
R3(config-if)#ip access-group 1 out
R3(config-if)#ex
R3(config)#do write

It is showing destination host unreacable because of applying outbound filtering

Command Prompt

```
Pinging 192.168.3.2 with 32 bytes of data:

Reply from 192.168.3.2: bytes=32 time=11ms TTL=125
Reply from 192.168.3.2: bytes=32 time=18ms TTL=125
Reply from 192.168.3.2: bytes=32 time=21ms TTL=125
Reply from 192.168.3.2: bytes=32 time=18ms TTL=125

Ping statistics for 192.168.3.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0%
loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 21ms, Average = 17ms

C:\>ping 192.168.3.2

Pinging 192.168.3.2 with 32 bytes of data:

Reply from 13.0.0.2: Destination host unreachable.
Reply from 13.0.0.2: Destination host unreachable.
Reply from 13.0.0.2: Destination host unreachable.
Reply from 13.0.0.2: Destination host unreachable.

Ping statistics for 192.168.3.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100%
loss),

C:\>
```