

SCREENSHOT

Cisco Packet Tracer - U:\saves\Final Project\ACL.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 916, y: 226

[Root]

07:03:00

ASSIGNED IPv6 ADDRESS
2001:3B21::/32

2001:3B21:1:3::/48

2001:3B21:2:3::/48

2001:3B21:3:3::/48

PC-PT PC00 PC01 PC02 PC03

PC-PT PC04 PC05 PC06 PC07

PC-PT PC08 PC09 PC10 PC11

PC-PT PC12 PC13 PC14 PC15

PC-PT PC16 PC17 PC18 PC19

PC-PT PC20 PC21 PC22 PC23

PC-PT PC24 PC25 PC26 PC27

PC-PT PC28 PC29 PC30 PC31

PC-PT PC32 PC33 PC34 PC35

PC-PT PC36 PC37 PC38 PC39

PC-PT PC40 PC41 PC42

2950T-24 Switch0

2950T-24 Switch1

2911 Toledo

2911 Napoleon

2911 Port Clinton

Switch2

Switch3

2001:3B21:1:1::1/48

2001:3B21:FFF:1::1, 1/2/64

2001:3B21:FFF:2::1, 1/2/64

2001:3B21:FFF:3::1, 1/2/64

2001:3B21:2:1::1/48

2001:3B21:3:1::1/48

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.005	Switch1	PC8	NDP
	0.005	Switch1	Toledo	NDP
	0.007	Toledo	Switch1	NDP
	0.008	Toledo	Switch0	NDP
	0.009	Switch1	PC17	NDP
	0.009	--	PC17	ICMPv6
	0.010	Switch0	PC1	NDP
	0.010	Switch0	PC2	NDP
	0.010	Switch0	PC3	NDP
	0.010	Switch0	PC9	NDP
	0.010	Switch0	PC10	NDP
	0.010	Switch0	PC11	NDP
	0.010	Switch0	PC12	NDP
	0.010	Switch0	PC18	NDP
	0.010	Switch0	PC19	NDP
	0.010	Switch0	PC20	NDP
	0.010	Switch0	PC21	NDP
	0.010	Switch0	PC27	NDP
	0.010	Switch0	PC22	NDP
	0.010	Switch0	PC4	NDP
	0.011	PC17	Switch1	ICMPv6
	0.013	Switch1	Toledo	ICMPv6
	0.013	--	Toledo	ICMPv6
	0.015	Toledo	Switch1	ICMPv6
	0.017	Switch1	PC17	ICMPv6
	1.019	--	PC17	ICMPv6
	1.022	PC17	Switch1	ICMPv6
	1.024	Switch1	Toledo	ICMPv6
	1.024	--	Toledo	ICMPv6
	1.026	Toledo	Switch1	ICMPv6
	1.028	Switch1	PC17	ICMPv6
	2.028	--	PC17	ICMPv6
	2.030	PC17	Switch1	ICMPv6
	2.032	Switch1	Toledo	ICMPv6
	2.032	--	Toledo	ICMPv6
	2.035	Toledo	Switch1	ICMPv6
	2.037	Switch1	PC17	ICMPv6
	2.663	--	Napoleon	OSPFv3

Reset Simulation

☐ Constant Delay

Captured to: 2.670 s

Play Controls

⏮ ⏪ ⏩ ⏭

Event List Filters - Visible Events

ICMPv6, NDP, OSPFv6, RIPng

Edit Filters

Show All/None

PC17

Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0

C:\>ping 2001:3B21:2:3::5

Pinging 2001:3B21:2:3::5 with 32 bytes of data:

Reply from 2001:3B21:1:1::1: Destination host unreachable.

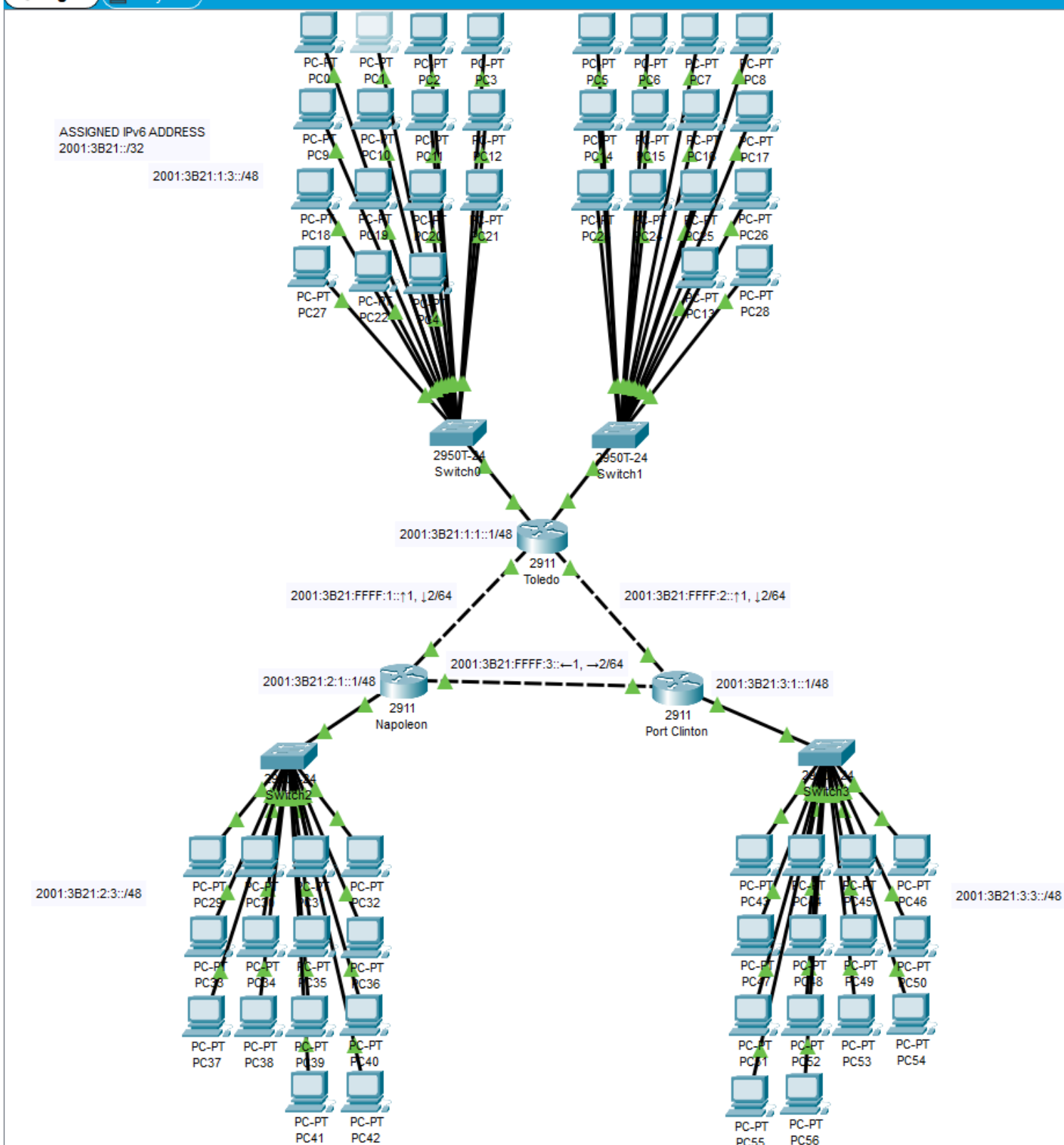
Reply from 2001:3B21:1:1::1: Destination host unreachable.

Reply from 2001:3B21:1:1::1: Destination host unreachable.

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Logical Physical x: 1182, y: 188



Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 2001:3B21:3:1::1

Pinging 2001:3B21:3:1::1 with 32 bytes of data:

Reply from 2001:3B21:1:1::1: Destination host unreachable.
Reply from 2001:3B21:1:1::1: Destination host unreachable.
Reply from 2001:3B21:1:1::1: Destination host unreachable.
Reply from 2001:3B21:1:1::1: Destination host unreachable.

Ping statistics for 2001:3B21:3:1::1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

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Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>telnet 2001:3B21:3:1::1
Trying 2001:3B21:3:1::1 ...Open

User Access Verification

Password:
PTC-RT>
```

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TOLEDO ROUTER

```
!  
version 15.1  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname TOL-RT  
!  
!  
!  
!  
!  
!  
!  
no ip cef  
ipv6 unicast-routing  
!  
no ipv6 cef  
!  
!  
!  
license udi pid CISC02911/K9 sn FTX15248E28-  
!  
!  
!  
!  
!  
!  
!  
!  
!  
spanning-tree mode pvst  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
no ip address  
duplex auto  
speed auto  
shutdown  
!  
interface GigabitEthernet0/1  
no ip address  
ipv6 traffic-filter Echo-Block out
```

```
duplex auto
speed auto
ipv6 address 2001:3B21:FFFF:1::1/64
ipv6 enable
ipv6 ospf 100 area 0
!
interface GigabitEthernet0/2
no ip address
ipv6 traffic-filter Echo-Block out
duplex auto
speed auto
ipv6 address 2001:3B21:FFFF:2::1/64 anycast
ipv6 enable
ipv6 ospf 100 area 0
!
interface FastEthernet0/0/0
switchport mode access
switchport nonegotiate
!
interface FastEthernet0/0/1
switchport mode access
switchport nonegotiate
!
interface FastEthernet0/0/2
switchport mode access
switchport nonegotiate
!
interface FastEthernet0/0/3
switchport mode access
switchport nonegotiate
!
interface Vlan1
description 1
no ip address
ipv6 address 2001:3B21:1:1::1/48
ipv6 enable
ipv6 ospf 100 area 0
!
ipv6 router ospf 100
router-id 0.0.0.1
log-adjacency-changes
!
ip classless
!
ip flow-export version 9
!
!
ipv6 access-list Echo-Block
deny icmp 2001:3B21:1::/48 any
permit ipv6 any any
!
!
!
```



```
!  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
  no ip address  
  duplex auto  
  speed auto  
  shutdown  
!  
interface GigabitEthernet0/1  
  no ip address  
  ipv6 traffic-filter Echo-Block out  
  duplex auto  
  speed auto  
  ipv6 address 2001:3B21:FFFF:1::2/64 anycast  
  ipv6 enable  
  ipv6 ospf 100 area 0  
!  
interface GigabitEthernet0/2  
  no ip address  
  ipv6 traffic-filter Echo-Block out  
  duplex auto  
  speed auto  
  ipv6 address 2001:3B21:FFFF:3::1/64 anycast  
  ipv6 enable  
  ipv6 ospf 100 area 0  
!  
interface FastEthernet0/0/0  
  switchport mode access  
  switchport nonegotiate  
!  
interface FastEthernet0/0/1  
  switchport mode access  
  switchport nonegotiate  
!  
interface FastEthernet0/0/2  
  switchport mode access  
  switchport nonegotiate  
!  
interface FastEthernet0/0/3  
  switchport mode access  
  switchport nonegotiate  
!  
interface Vlan1  
  no ip address  
  ipv6 address 2001:3B21:2:1::1/48  
  ipv6 enable  
  ipv6 ospf 100 area 0  
!  
ipv6 router ospf 100  
  router-id 0.0.0.2
```

```

    log-adjacency-changes
    !
ip classless
    !
ip flow-export version 9
    !
    !
ipv6 access-list Echo-Block
    deny icmp 2001:3B21:2::/48 any
    permit ipv6 any any
    !
no cdp run
    !
    !
    !
    !
    !
    !
line con 0
    !
line aux 0
    !
line vty 0 4
    login
    !
    !
    !
end

```

PORT CLINTON ROUTER

```

!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname PTC-RT
    !
    !
    !
    !
    !
    !
    !
    !
no ip cef
ipv6 unicast-routing
    !
no ipv6 cef
    !

```

```
!  
!  
!  
license udi pid CISCO2911/K9 sn FTX15248961-  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
spanning-tree mode pvst  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
  no ip address  
  duplex auto  
  speed auto  
  shutdown  
!  
interface GigabitEthernet0/1  
  no ip address  
  ipv6 traffic-filter Echo-Block out  
  duplex auto  
  speed auto  
  ipv6 address 2001:3B21:FFFF:2::2/64 anycast  
  ipv6 enable  
  ipv6 ospf 100 area 0  
!  
interface GigabitEthernet0/2  
  no ip address  
  ipv6 traffic-filter Echo-Block out  
  duplex auto  
  speed auto  
  ipv6 address 2001:3B21:FFFF:3::2/64 anycast  
  ipv6 enable  
  ipv6 ospf 100 area 0  
!  
interface FastEthernet0/0/0  
  switchport mode access  
  switchport nonegotiate  
!  
interface FastEthernet0/0/1  
  switchport mode access  
  switchport nonegotiate  
!
```



```
interface FastEthernet0/0/2
  switchport mode access
  switchport nonegotiate
!
interface FastEthernet0/0/3
  switchport mode access
  switchport nonegotiate
!
interface Vlan1
  no ip address
  ipv6 address 2001:3B21:3:1::1/48
  ipv6 enable
  ipv6 ospf 100 area 0
!
ipv6 router ospf 100
  router-id 0.0.0.3
  log-adjacency-changes
!
ip classless
!
ip flow-export version 9
!
!
ipv6 access-list Echo-Block
  deny icmp 2001:3B21:3::/48 any
  permit ipv6 any any
!
no cdp run
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
  password portadmin
  login
!
!
!
end
```