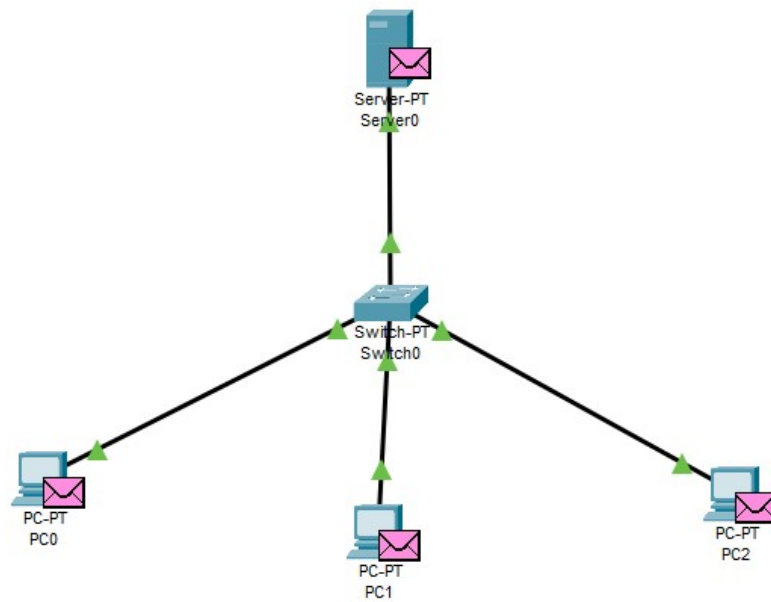


Actividad 18 - DHCP + ARP

Wuke Zhang

1 – ASIR



Server0

PhysicalConfigServicesDesktopProgrammingAttributes

IP Configuration

IP Configuration

DHCP

Static

IPv4 Address

192.168.1.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

/

Link Local Address

FE80::205:5EFF:FE79:48C7

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

Server0

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface

FastEthernet0

Service

☒ On

☐ Off

Pool Name

serverPool

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

Start IP Address :

192

168

1

1

Subnet Mask:

255

255

255

0

Maximum Number of Users :

255

TFTP Server:

0.0.0.0

WLC Address:

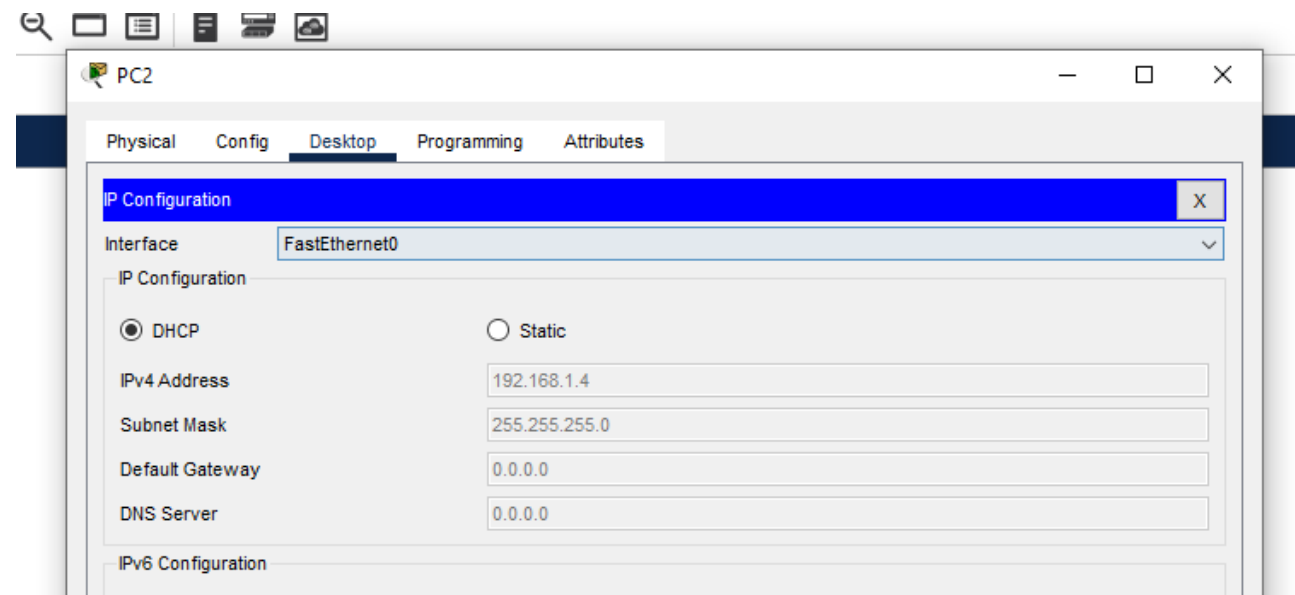
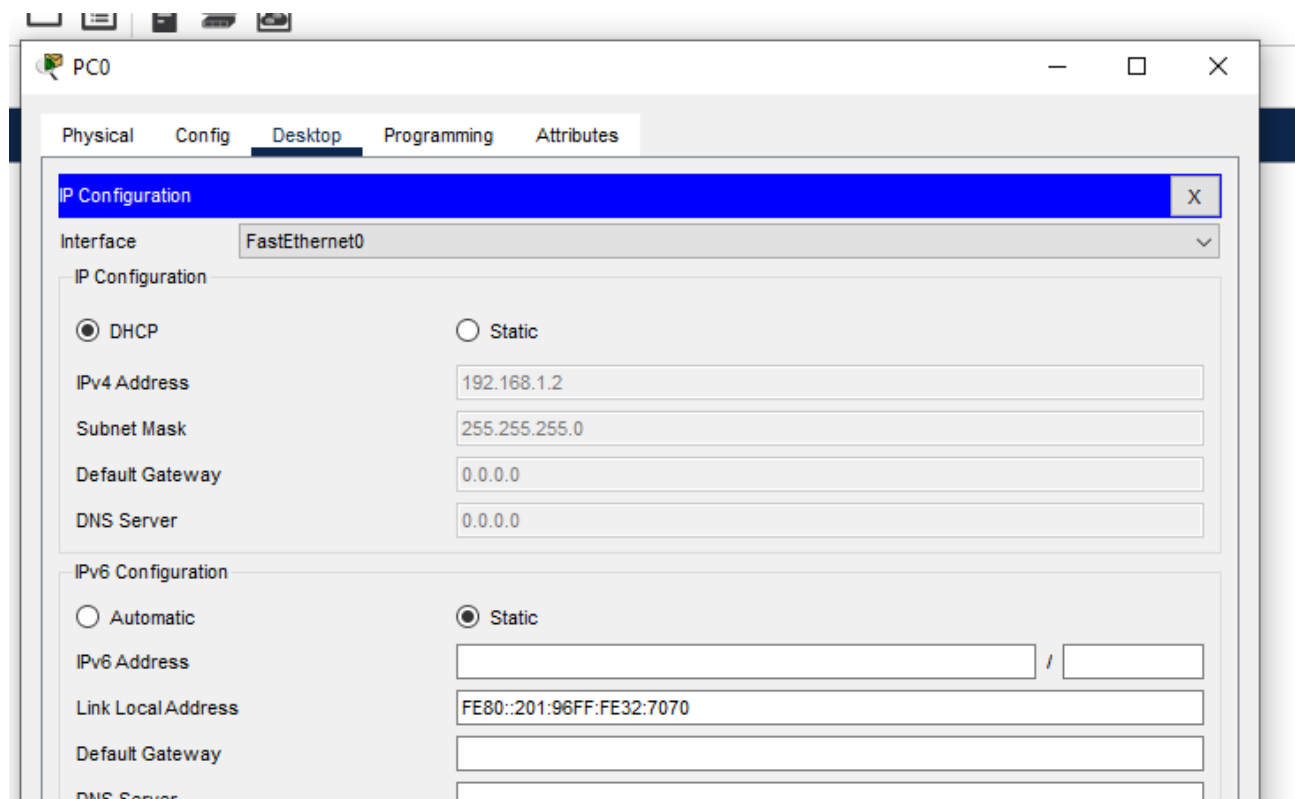
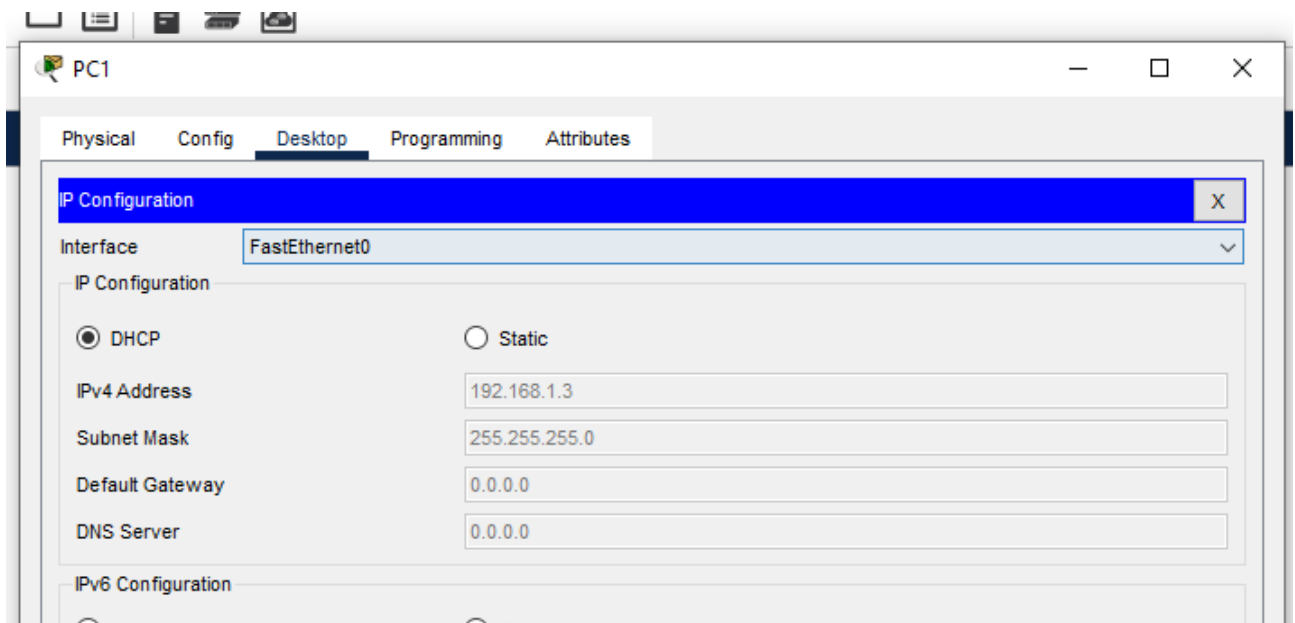
0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168....	255.255....	255	0.0.0.0	0.0.0.0



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=5ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>arp -a
Internet Address      Physical Address      Type
192.168.1.2           0001.9632.7070        dynamic

C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>arp -a
Internet Address      Physical Address      Type
192.168.1.2           0001.9632.7070        dynamic
192.168.1.4           0002.1649.3144        dynamic
  
```

☐ Top

- PC1 a PC0

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC1	ARP
	0.000	--	PC1	ICMP
	0.000	--	PC1	ARP
	0.001	PC1	Switch0	ARP
	0.001	--	PC1	ARP
	0.002	PC1	Switch0	ARP
	0.002	Switch0	Server0	ARP
	0.002	Switch0	PC0	ARP
	0.002	Switch0	PC2	ARP
	0.003	Switch0	Server0	ARP
	0.003	Switch0	PC0	ARP
	0.003	Switch0	PC2	ARP
	0.004	PC2	Switch0	ARP
	0.005	Switch0	PC1	ARP
	0.005	--	PC1	ICMP

Reset Simulation ☒ Constant Delay

Captured to 13.289 s

Play Controls

Vis.	Time(sec)	Last Device	At Device	Type
	0.005	--	PC1	ICMP
	0.006	PC1	Switch0	ICMP
	0.007	Switch0	PC2	ICMP
	0.008	PC2	Switch0	ICMP
	0.009	Switch0	PC1	ICMP
	0.657	--	Switch0	DTP
	0.658	Switch0	PC1	DTP
	1.013	--	PC1	ICMP
	1.014	PC1	Switch0	ICMP
	1.015	Switch0	PC2	ICMP
	1.016	PC2	Switch0	ICMP
	1.017	Switch0	PC1	ICMP
	1.294	--	Switch0	STP
	1.295	Switch0	PC2	STP
	1.295	Switch0	Server0	STP

☒ Constant Delay
 Captured 13.28s

Play Controls

Simulation Panel				
Event List				
Vis.	Time(sec)	Last Device	At Device	Type
	1.295	Switch0	PC0	STP
	1.295	Switch0	PC1	STP
	2.019	--	PC1	ICMP
	2.020	PC1	Switch0	ICMP
	2.021	Switch0	PC2	ICMP
	2.022	PC2	Switch0	ICMP
	2.023	Switch0	PC1	ICMP
	3.023	--	PC1	ICMP
	3.024	PC1	Switch0	ICMP
	3.025	Switch0	PC2	ICMP
	3.026	PC2	Switch0	ICMP
	3.027	Switch0	PC1	ICMP
	3.294	--	Switch0	STP
	3.294	--	PC1	ICMP
	3.294	--	PC1	ARP

☒ Constant Delay
 Captured to: 13.289 s

Play Controls

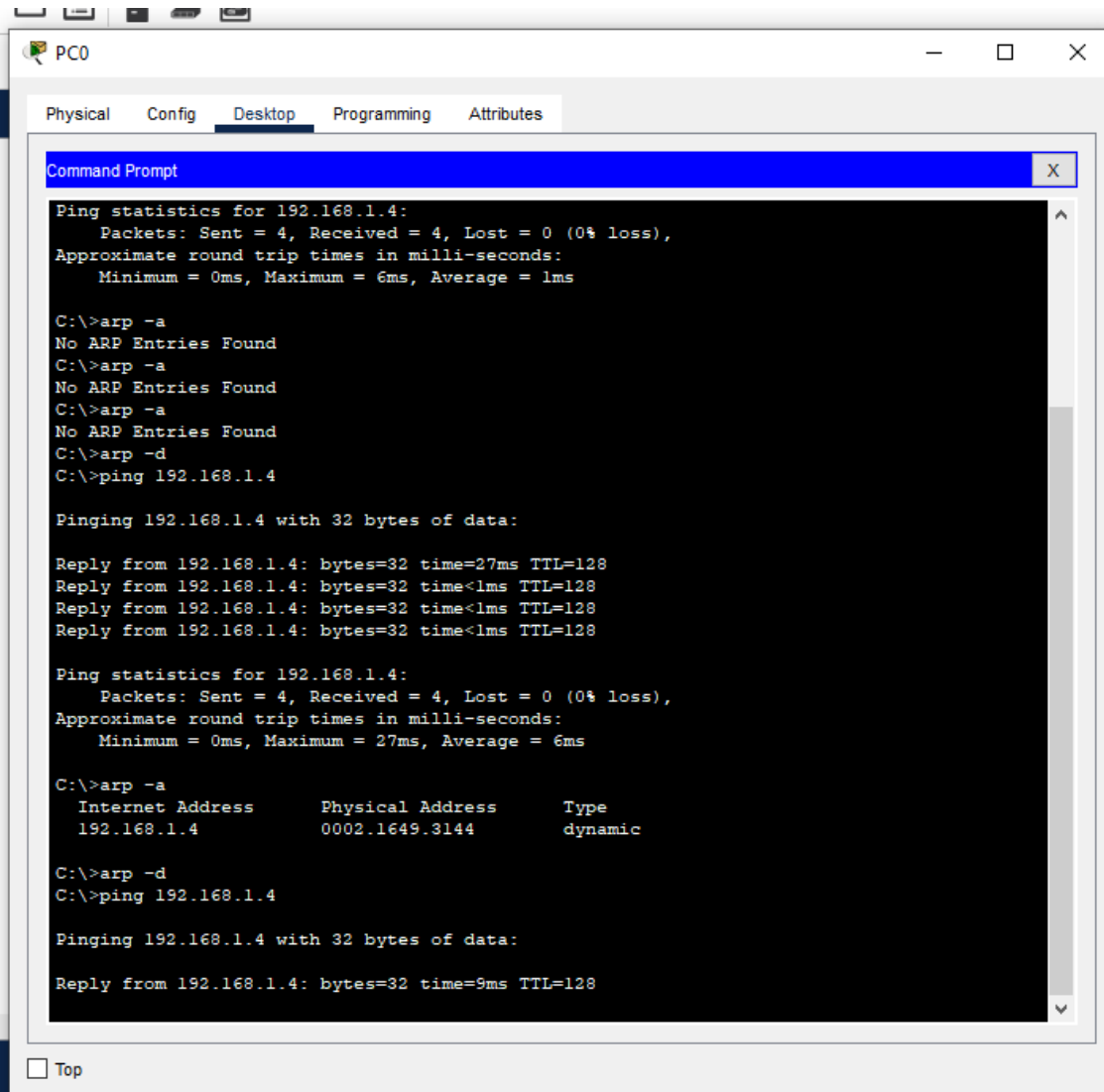
Simulation Panel				
Event List				
Vis.	Time(sec)	Last Device	At Device	Type
	3.294	--	PC1	ARP
	3.295	Switch0	PC2	STP
	3.295	Switch0	Server0	STP
	3.295	Switch0	PC0	STP
	3.295	Switch0	PC1	STP
	3.295	PC1	Switch0	ARP
	3.296	Switch0	Server0	ARP
	3.296	Switch0	PC0	ARP
	3.296	Switch0	PC2	ARP
	3.297	PC0	Switch0	ARP
	3.298	Switch0	PC1	ARP
	3.298	--	PC1	ICMP
	3.299	PC1	Switch0	ICMP
	3.300	Switch0	PC0	ICMP
	3.301	PC0	Switch0	ICMP

☒ Constant Delay
 Captured to: 13.289 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DTP, EAPOL, EIGRPv6, FTP, H.323, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCR, LACP, LLDP,



Simulation Panel				
Event List				
Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC0	ARP
	0.000	--	PC0	ICMP
	0.000	--	PC0	ARP
	0.001	PC0	Switch0	ARP
	0.001	--	PC0	ARP
	0.002	PC0	Switch0	ARP
	0.002	Switch0	Server0	ARP
	0.002	Switch0	PC1	ARP
	0.002	Switch0	PC2	ARP
	0.003	Switch0	Server0	ARP
	0.003	Switch0	PC1	ARP
	0.003	Switch0	PC2	ARP
	0.004	PC2	Switch0	ARP
	0.005	Switch0	PC0	ARP
	0.005	--	PC0	ICMP

0.004	PC2	Switch0	ARP
0.005	Switch0	PC0	ARP
0.005	--	PC0	ICMP
0.006	PC0	Switch0	ICMP
0.007	Switch0	PC2	ICMP
0.008	PC2	Switch0	ICMP
0.009	Switch0	PC0	ICMP
0.995	--	Switch0	STP

Set Simulation ☒ Constant Delay Capture 0.1

Controls

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