

Lab 7

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Configuring ARP commands

The screenshot displays the Cisco Packet Tracer Student interface. The network topology consists of a central 'Switch-PT Switch0' connected to three PCs ('PC-PT PC0', 'PC-PT PC1', 'PC-PT PC2') and a server ('Server-PT Server0'). Four ARP tables are open, showing the mapping of IP addresses to hardware addresses for each device.

ARP Table for PC0

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.90B5	FastEthernet0

ARP Table for Server0

IP Address	Hardware Address	Interface
10.0.0.1	0000.8402.2157	FastEthernet0
10.0.0.2	0001.963D.0928	FastEthernet0
10.0.0.3	0000.979E.124A	FastEthernet0

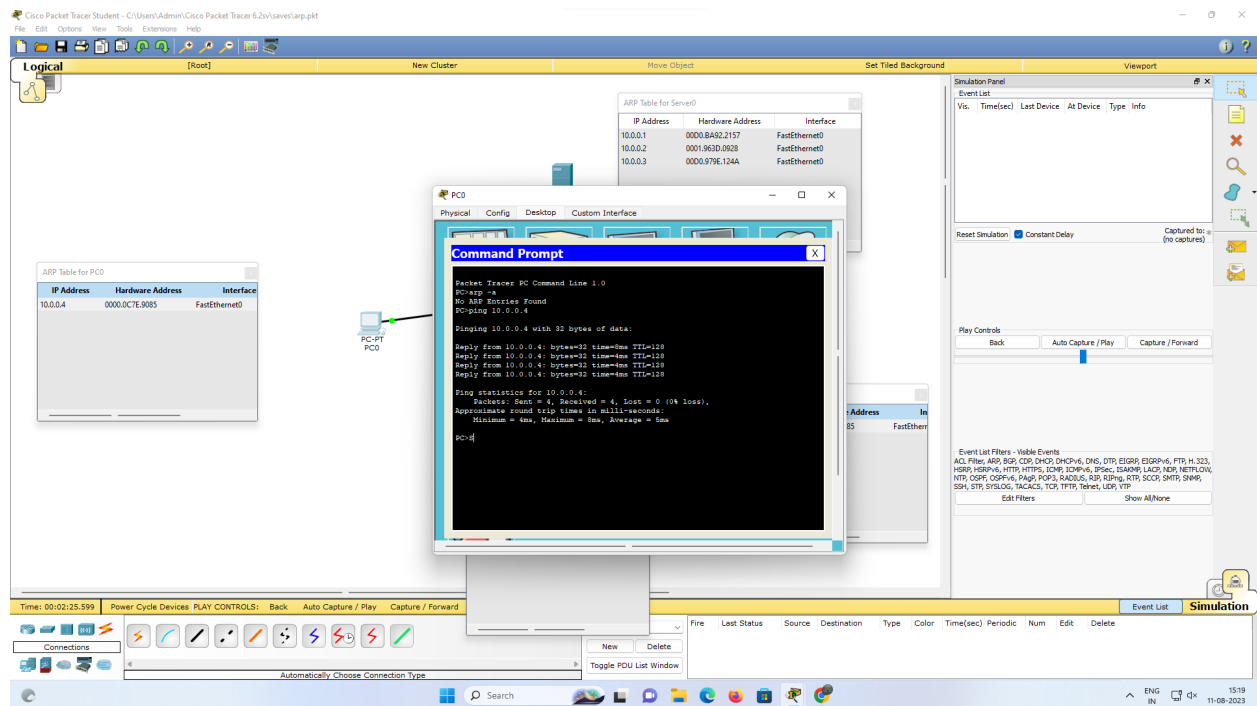
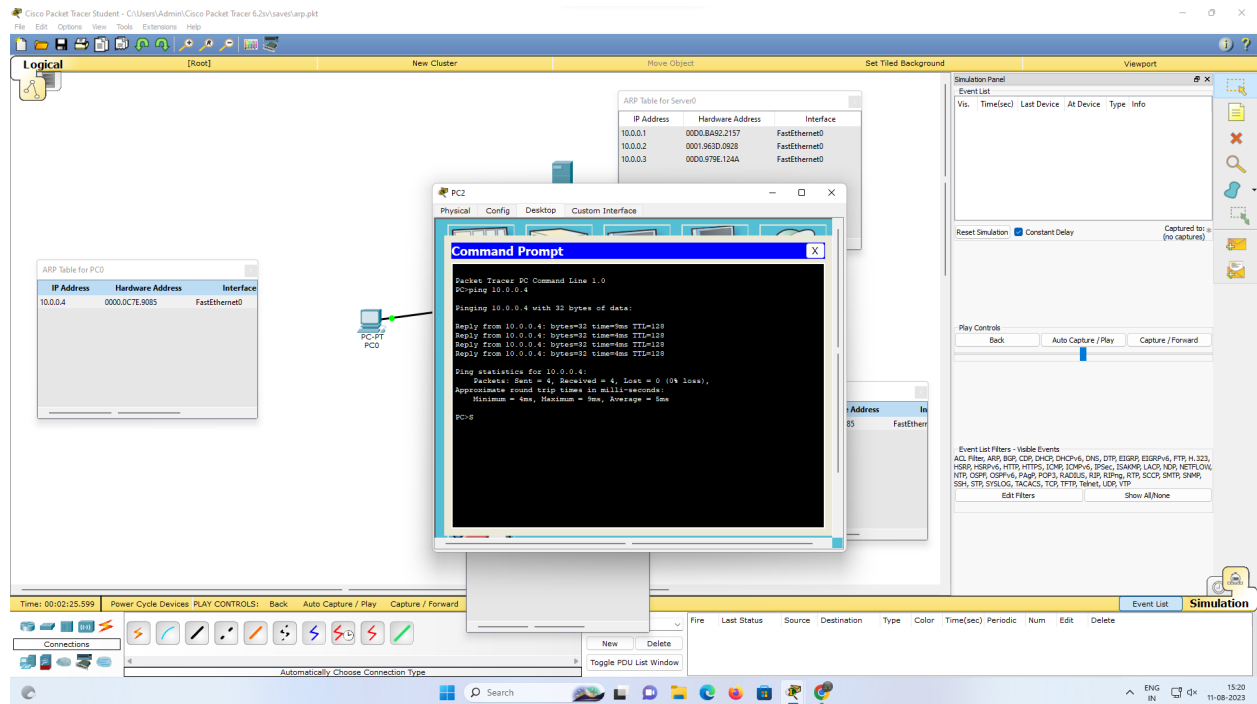
ARP Table for PC1

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.90B5	FastEthernet0

ARP Table for PC2

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.90B5	FastEthernet0

The simulation panel on the right shows a list of events, including ARP requests and replies. The bottom status bar indicates the simulation is running at 00:02:04.968.



Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\save\arp.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

ARP Table for PC0

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.9085	FastEthernet0

ARP Table for Server0

IP Address	Hardware Address	Interface
10.0.0.1	0000.0A00.2157	FastEthernet0
10.0.0.2	0001.9E3D.0828	FastEthernet0

ARP Table for PC1

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.9085	FastEthernet0

ARP Table for PC2

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.9085	FastEthernet0

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	Info
0.006	Switch0	PC0	ARP		
0.006	Switch0	PC1	ARP		
0.006	Switch0	Server0	ARP		
0.007	Switch0	Server0	ARP		
0.007	Server0	Switch0	ICMP		
0.008	Server0	Switch0	ARP		
0.008	Switch0	PC0	ICMP		
0.009	Switch0	PC2	ARP		
0.009	Switch0	PC2	ICMP		

Reset Simulation Constant Delay Captured to 0.009s

Time: 00:02:04.963 Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward

Connections

Automatically Choose Connection Type

Search

ENG IN 15:01 11-08-2023

Cisco Packet Tracer Student - C:\Users\Admin\Cisco Packet Tracer 6.2\save\arp.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

ARP Table for PC0

IP Address	Hardware Address	Interface
10.0.0.4	0000.0C7E.9085	FastEthernet0

ARP Table for Server0

IP Address	Hardware Address	Interface
10.0.0.1	0000.0A00.2157	FastEthernet0
10.0.0.2	0001.9E3D.0828	FastEthernet0
10.0.0.3	0000.979E.124A	FastEthernet0

Switch0

Physical Config CLI

IOS Command Line Interface

```
Switch>show mac address-table
Mac Address Table
-----
Vlan  Mac Address      Type      Ports
----  -
1      0000.0c7e.9085    DYNAMIC   Fa3/1
1      0040.ba90.2157    DYNAMIC   Fa0/1

Switch>show mac address-table
Mac Address Table
-----
Vlan  Mac Address      Type      Ports
----  -
1      0000.0c7e.9085    DYNAMIC   Fa3/1
1      0040.ba90.2157    DYNAMIC   Fa0/1

Switch>show mac address-table
Mac Address Table
-----
Vlan  Mac Address      Type      Ports
----  -
1      0000.0c7e.9085    DYNAMIC   Fa3/1
1      0001.9e3d.0828    DYNAMIC   Fa3/1
1      0040.979e.124a    DYNAMIC   Fa3/1
1      0040.ba90.2157    DYNAMIC   Fa0/1

Switch>
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	Info
0.011	Switch0	PC0	ARP		
0.011	Switch0	PC2	ARP		
0.011	Switch0	Server0	ARP		
0.012	Switch0	Server0	ARP		
0.012	Server0	Switch0	ICMP		
0.013	Switch0	PC2	ICMP		
0.014	Switch0	PC1	ARP		
0.014	Switch0	PC1	ICMP		

Reset Simulation Constant Delay Captured to 0.014s

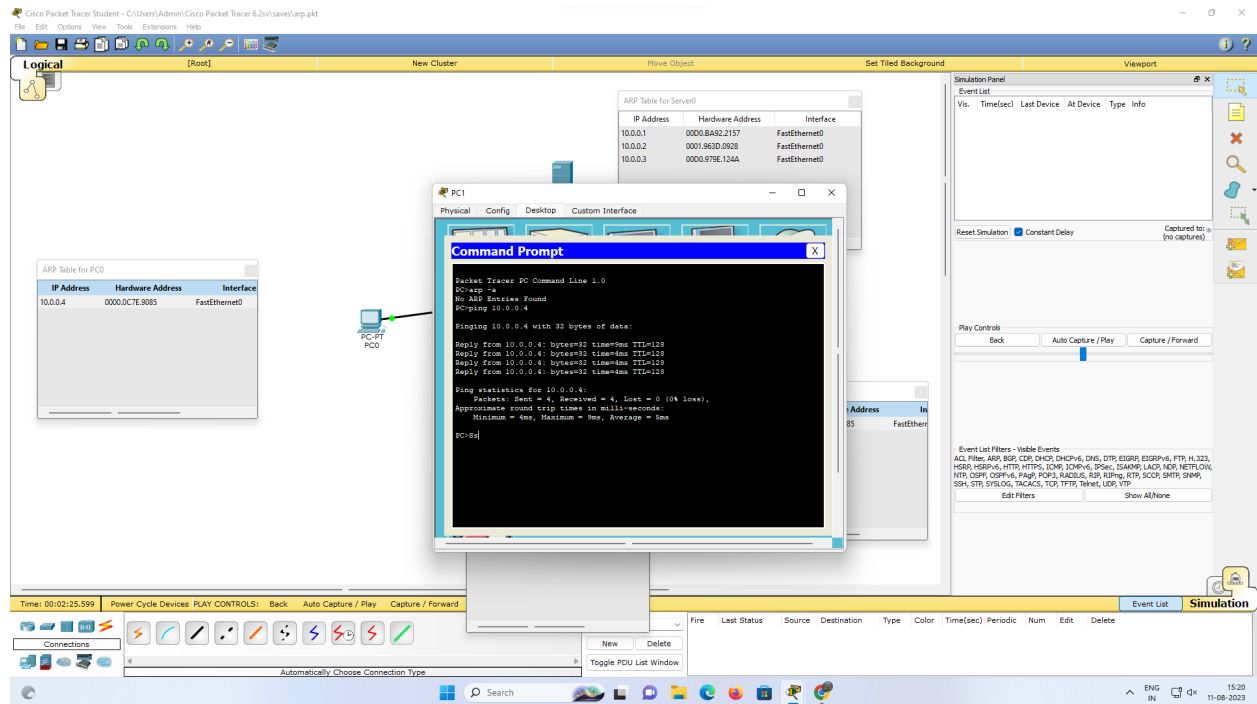
Time: 00:02:04.968 Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward

Connections

Automatically Choose Connection Type

Search

ENG IN 15:04 11-08-2023



VLAN EXPIREMENT

