

COMPUTER NETWORKS LAB

WEEK #9

Cisco Packet Tracer - 2

Using Cisco packet tracer understand the life of packet in internet

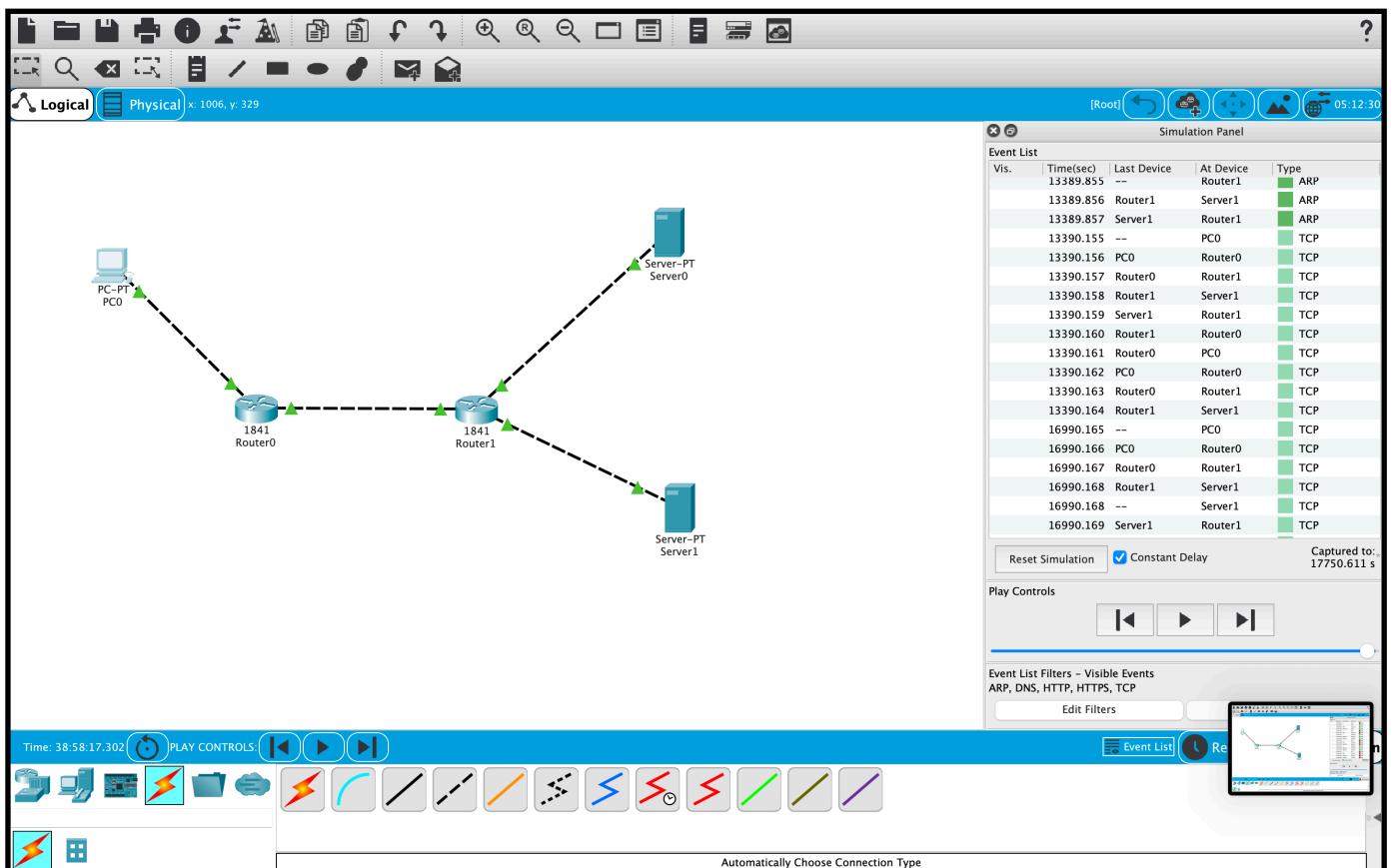
NAME : SIRI S

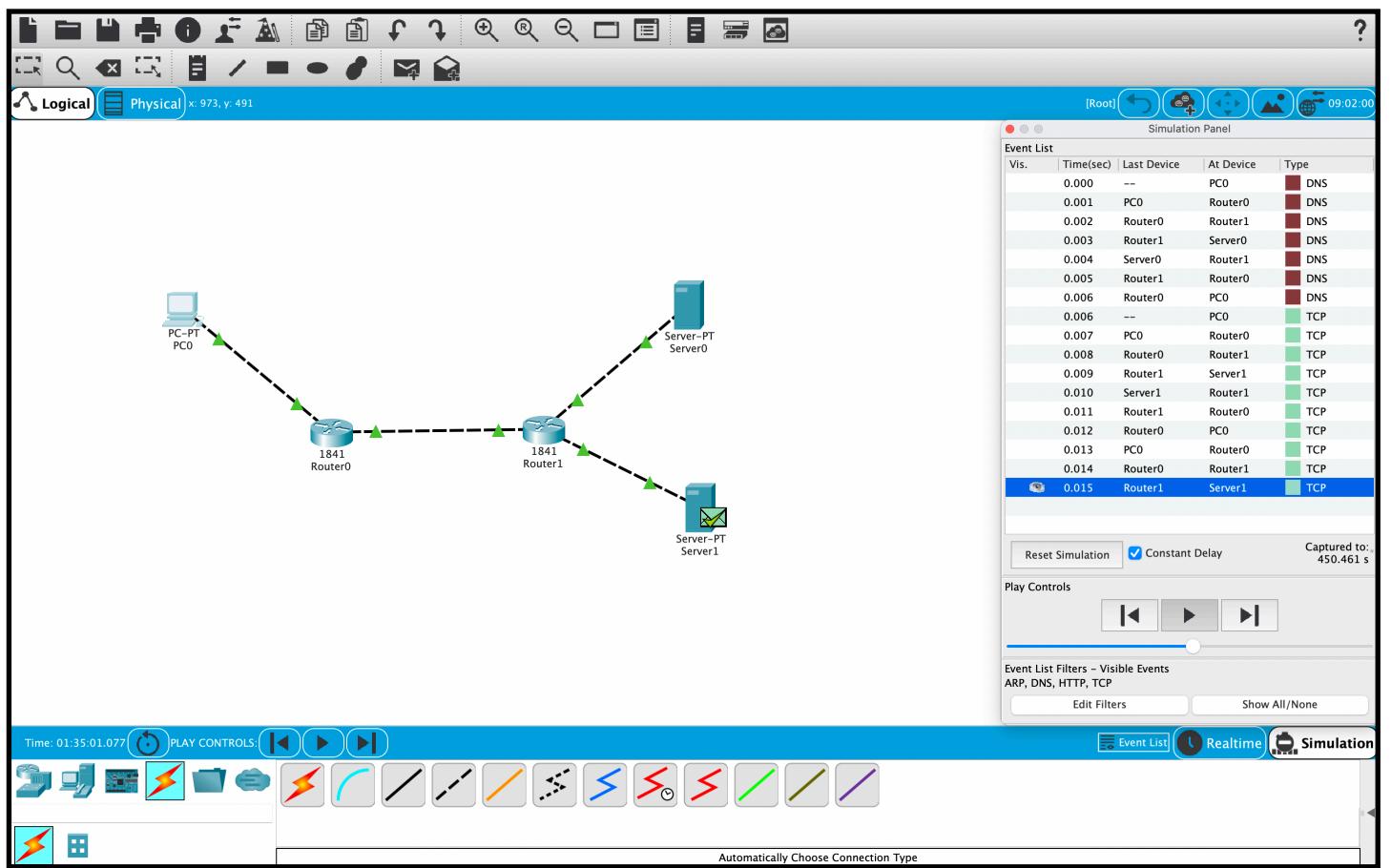
SEMESTER : 4

SECTION : HI

SRN : PESIUGI9CS485

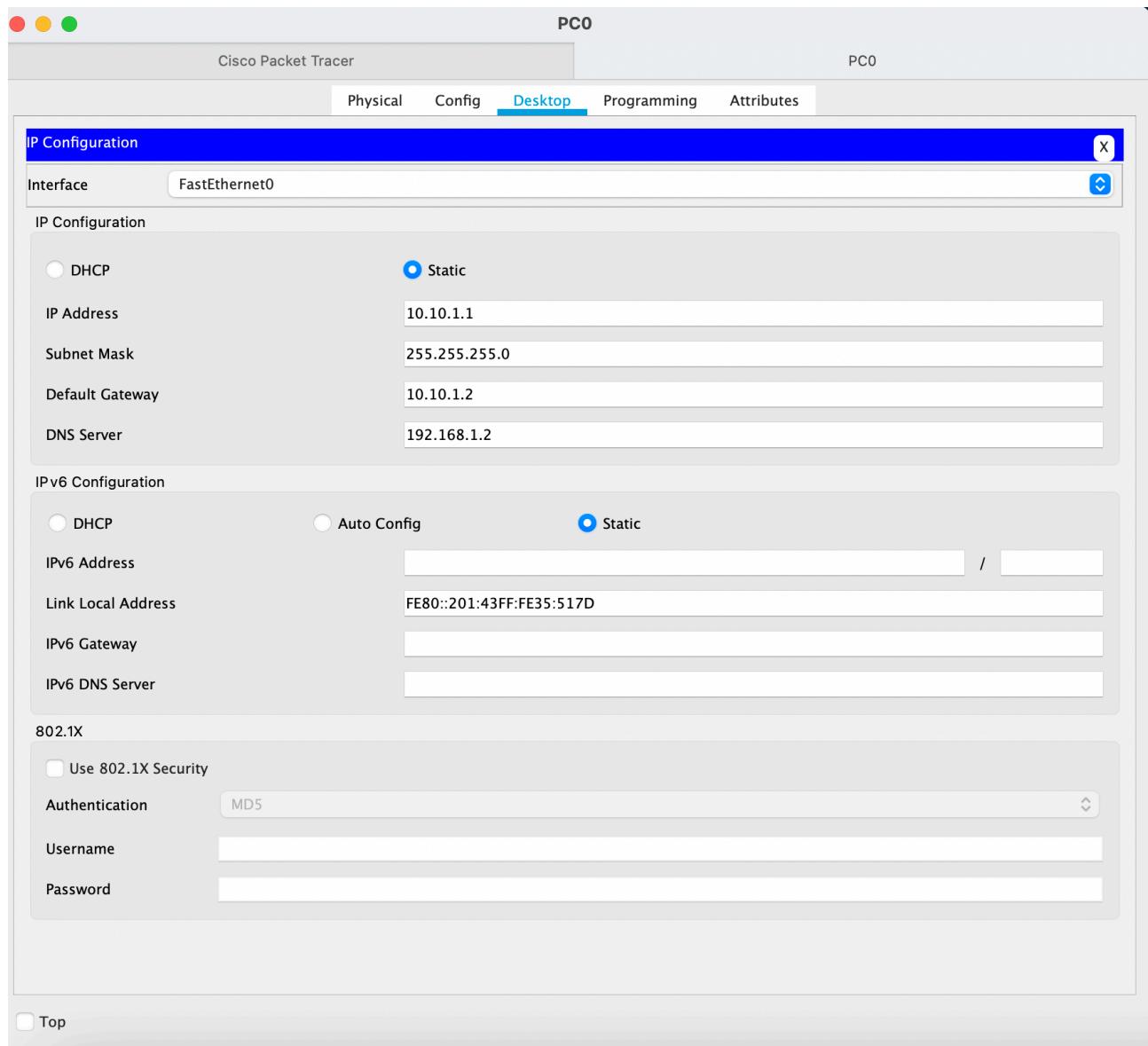
Screenshots of simulation:





HTTP Request with DNS Server

Host A (PC0):



Router 0:

Router0

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network:

Mask:

Next Hop:

Network Address

192.168.1.0/24 via 10.10.2.2

192.168.2.0/24 via 10.10.2.2

Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

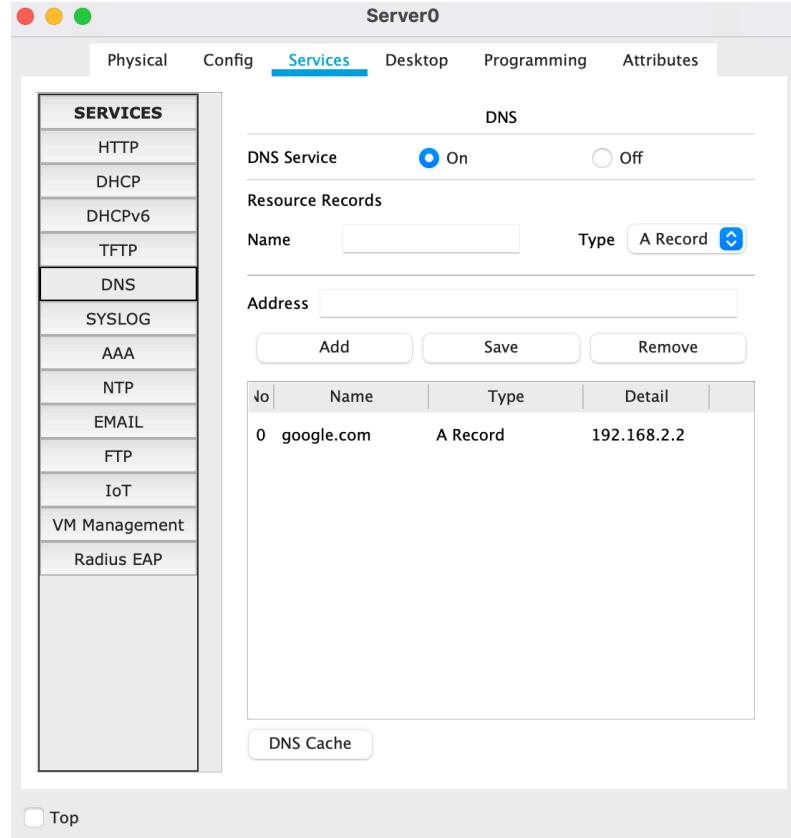
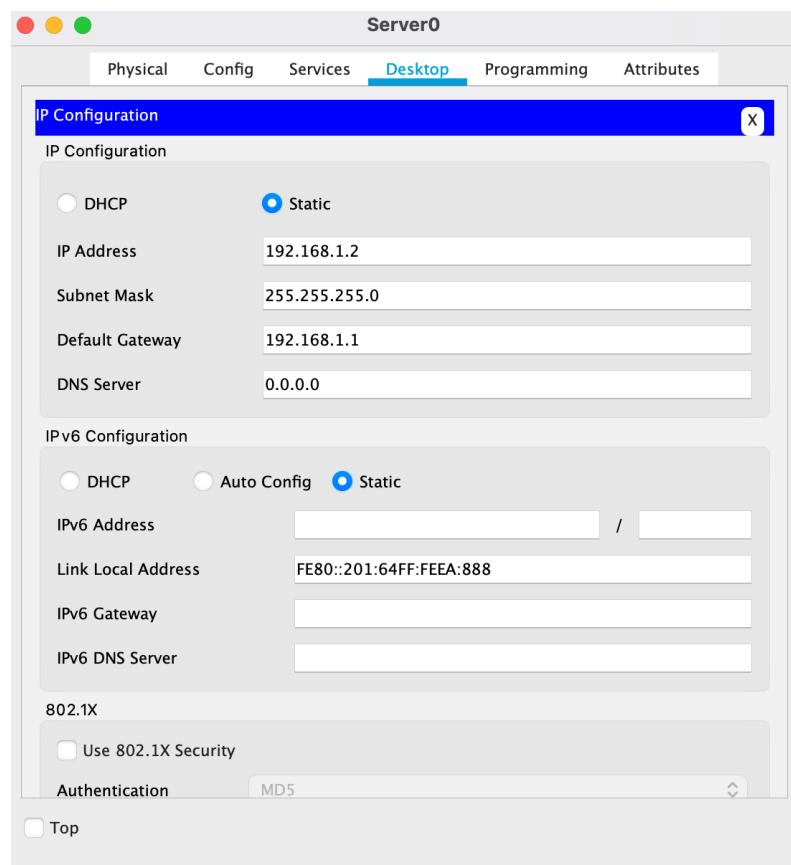
Router(config-if)#exit
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 10.10.2.2
Router(config)#ip route 192.168.2.0 255.255.255.0 10.10.2.2
Router(config)#
Router(config)#
Router(config)#
```

Router 1:

Router1

	Physical	Config	CLI	Attributes																									
GLOBAL Settings Algorithm Settings ROUTING Static RIP SWITCHING VLAN Database INTERFACE FastEthernet0/0 FastEthernet0/1 Ethernet0/1/0	FastEthernet0/0				Port Status <input checked="" type="checkbox"/> On Bandwidth <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto Duplex <input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto				MAC Address 0007.ECA0.8101				IP Configuration <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">IP Address</td> <td style="padding: 2px;">10.10.2.2</td> </tr> <tr> <td style="padding: 2px;">Subnet Mask</td> <td style="padding: 2px;">255.255.255.0</td> </tr> </table>				IP Address	10.10.2.2	Subnet Mask	255.255.255.0	Tx Ring Limit 10				Equivalent IOS Commands <pre> Router(config-if)# %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up Router(config-if)#exit Router(config)# Router(config)#ip route 10.10.1.0 255.255.255.0 10.10.2.1 Router(config)# Router(config)# Router(config)# Router(config)# Router(config)interface FastEthernet0/0 Router(config-if)# </pre>				
	FastEthernet0/0																												
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Server 0:



Server 1:

Server1

Physical Config Services Desktop Programming Attributes

IP Configuration X

IP Configuration

DHCP Static

IP Address: 192.168.2.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.2.1

DNS Server: 0.0.0.0

IPv6 Configuration

DHCP Auto Config Static

IPv6 Address: /

Link Local Address: FE80::2E0:F9FF:FE96:B6E5

IPv6 Gateway:

IPv6 DNS Server:

802.1X

Use 802.1X Security

Authentication: MD5

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