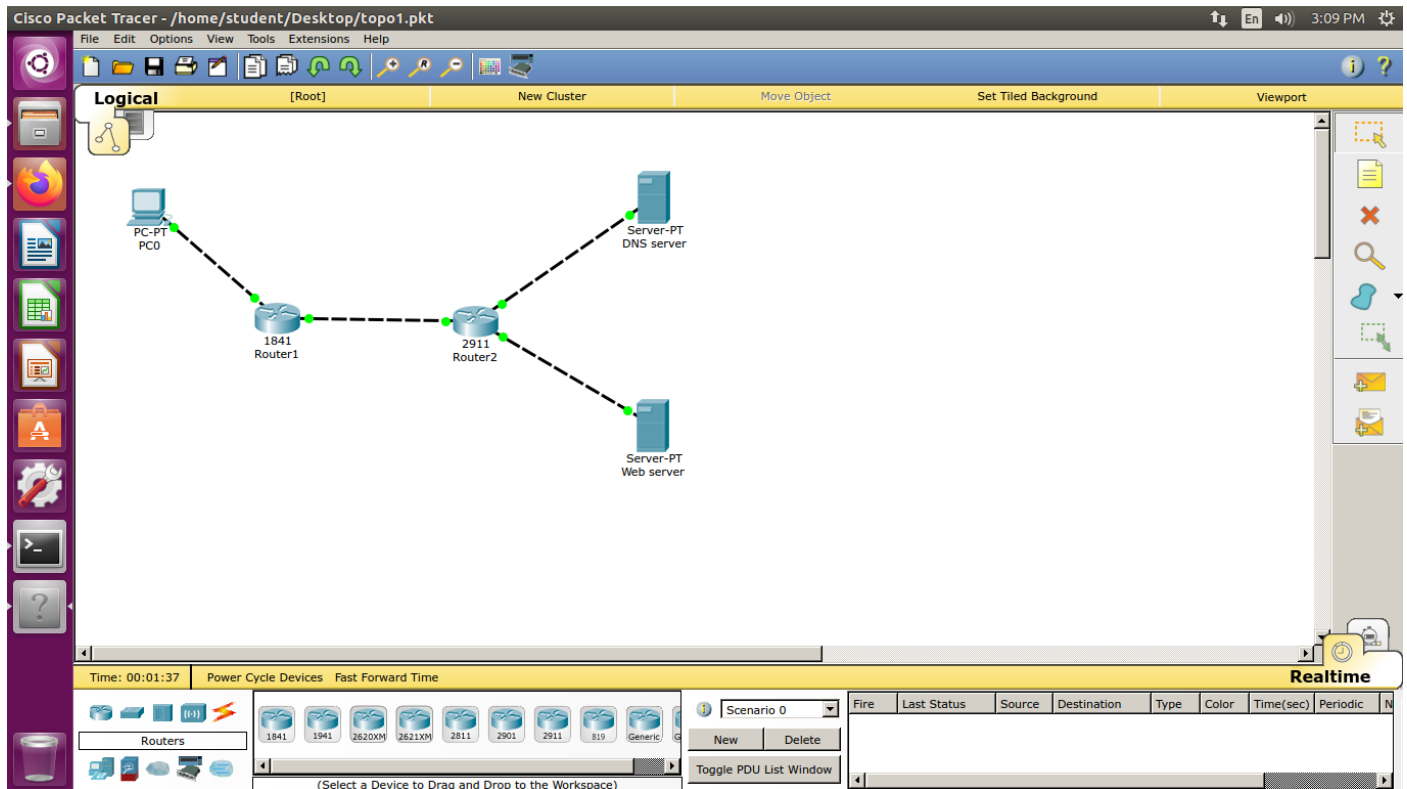


Computer networks laboratory week 7

Name: Pranav R. Hegde SRN: PES1UG19CS343 Section: F1

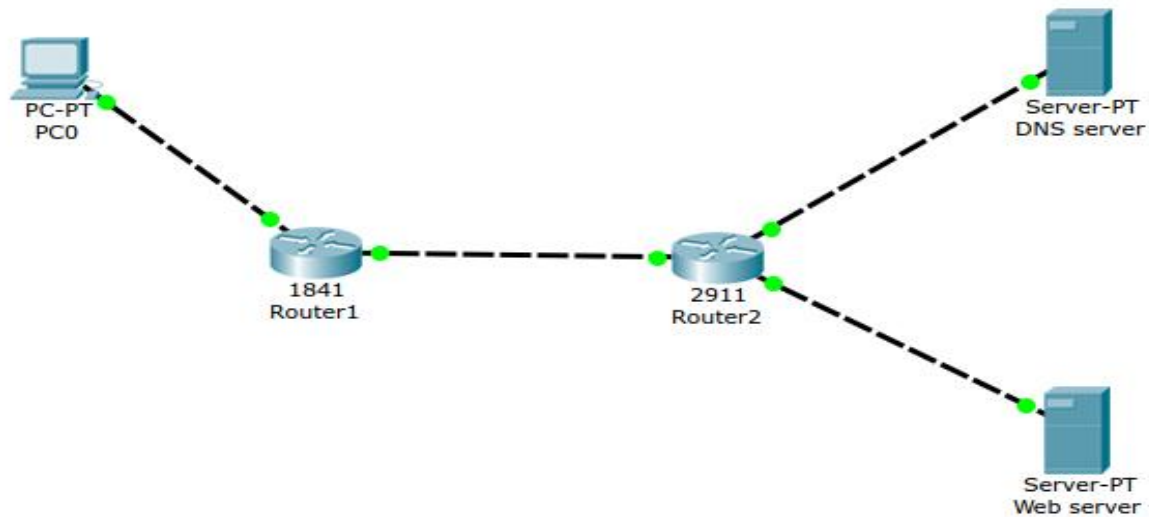
Topology 1



AIM:

- Construct a basic topology with two subnetworks joined together by two routers. One subnetwork contains a client PC. And the other contains a DNS server and a Web server.
- Send a request for a particular webpage to the Web server. And resolve DNS of a particular IP through the DNS server

The topology:



Accessing the web page through the web server:

The screenshot shows the Cisco Packet Tracer interface with the network topology and the Event List panel. The Event List shows a successful TCP connection from PC0 to the Web server at 192.168.2.2.

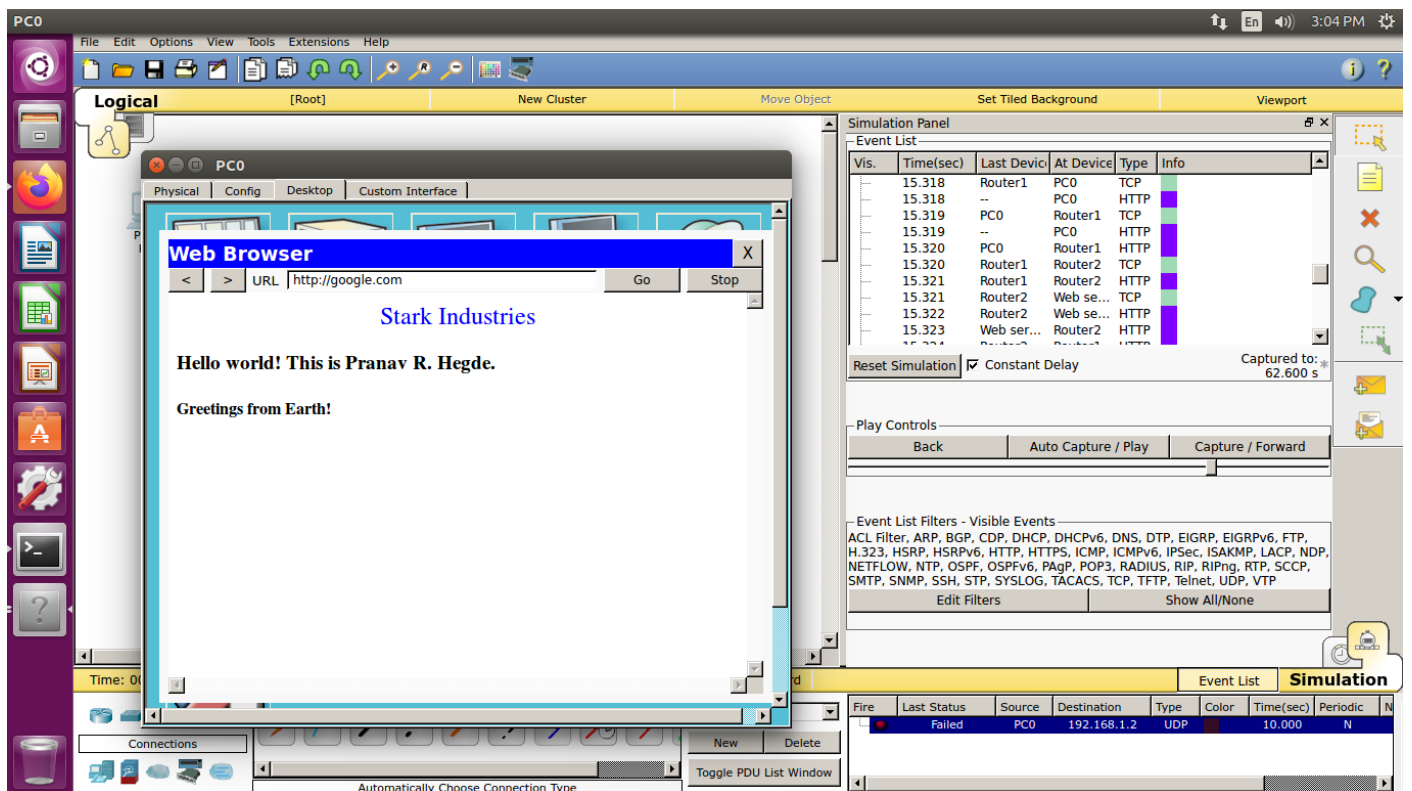
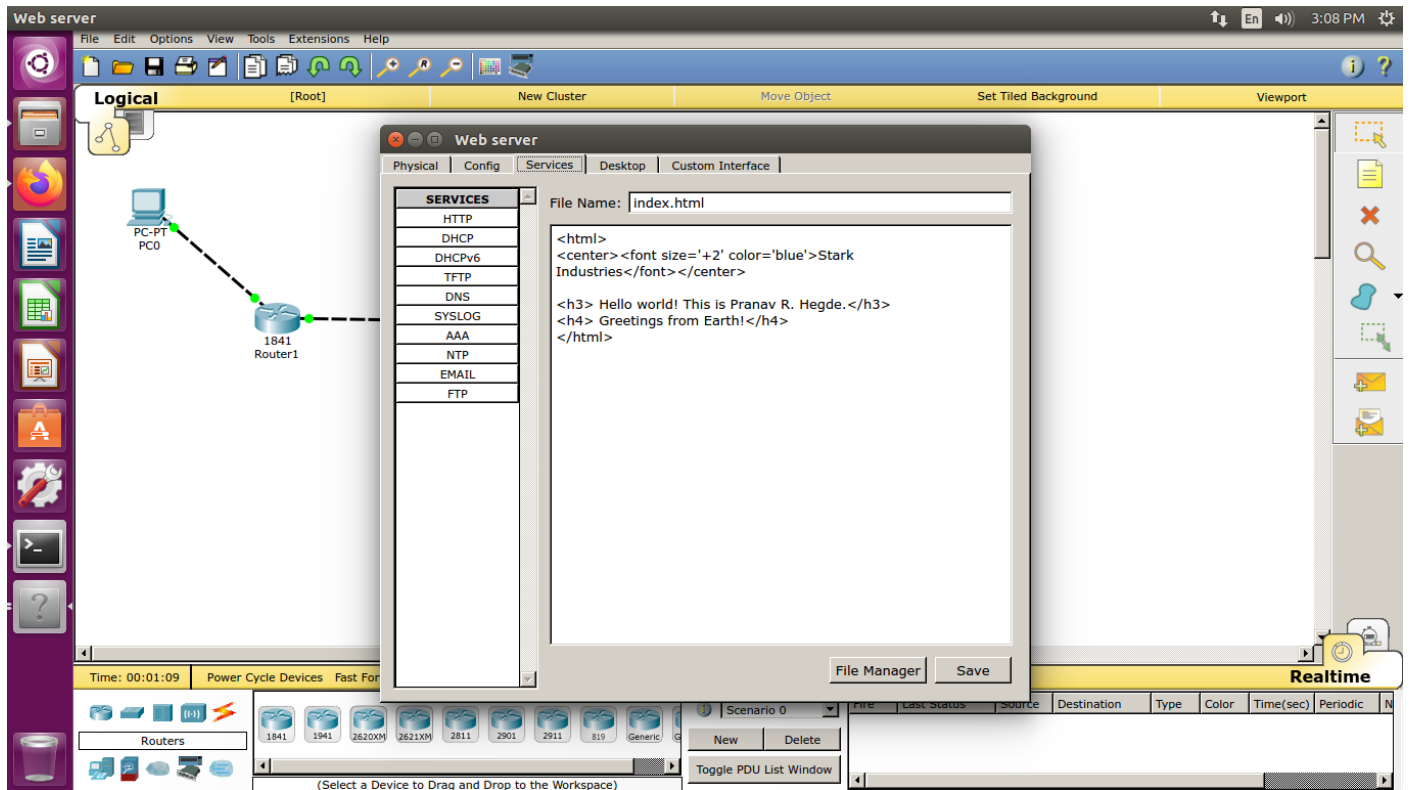
Vis.	Time(sec)	Last Device	At Device	Type	Info
	2.733	--	Router2	CDP	
	2.733	--	Router2	CDP	
	2.733	--	Router2	CDP	
	2.734	Router2	Router1	CDP	
	2.734	Router2	DNS se...	CDP	
	2.734	Router2	Web se...	CDP	
	10.000	--	PC0	TCP	
	10.001	PC0	Router1	TCP	
	10.002	Router1	Router2	TCP	
	10.003	Router2	Web se...	TCP	

Event List Filters - Visible Events

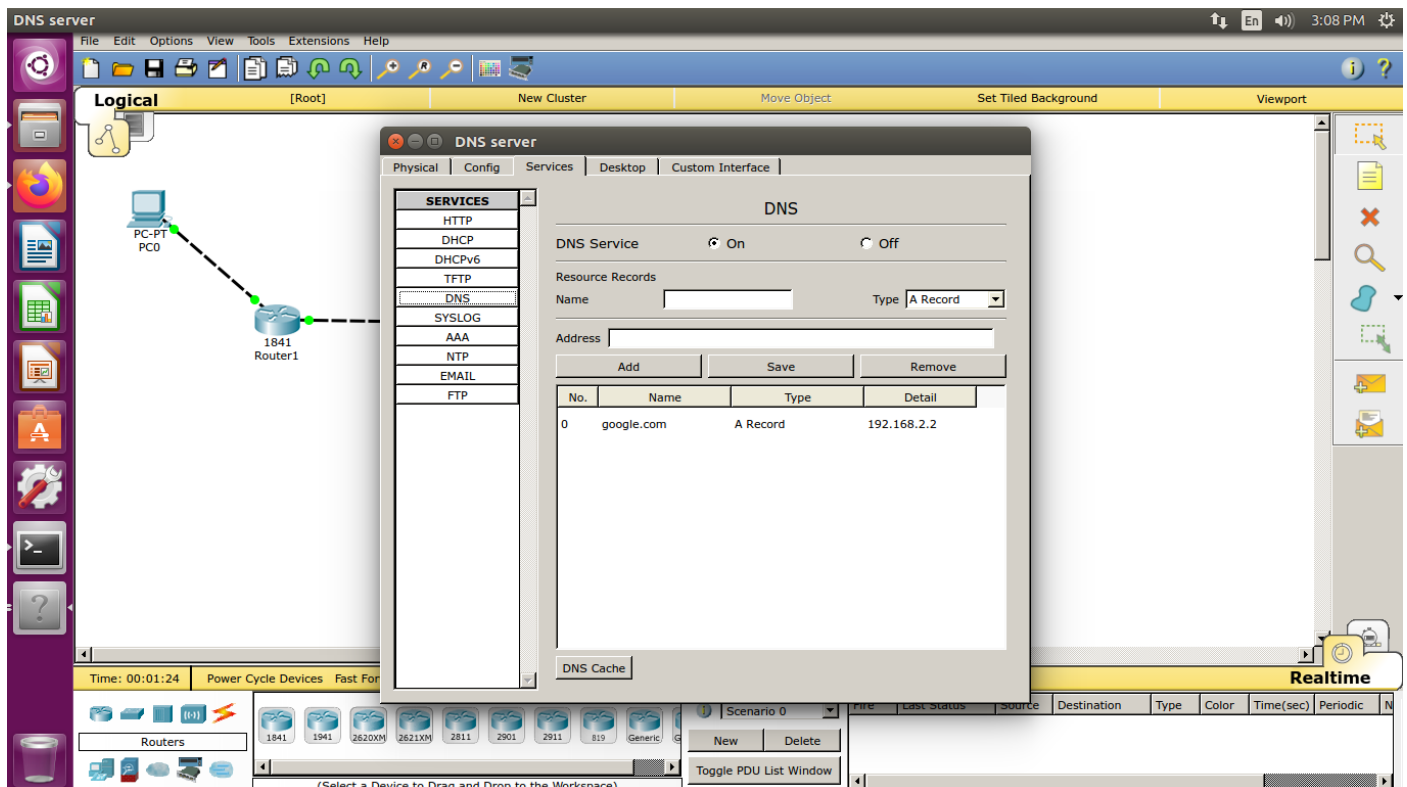
ACL Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters Show All/None

- Sending a request to access the page at 192.168.2.2 to the web server through client PC0.
- Adding a custom made web page on the web server.
- The custom made being accessed through web server.



Configuring the DNS server:



- Adding the custom made web page to the DNS server for resolution.

Configuring the routing table:

