

Week 2

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Designing and Simulation of Network Topology using Cisco Packet Tracer

Task 1 (Demo):

The screenshot displays the Cisco Packet Tracer simulation environment. The network topology consists of two routers (Router0 and Router1) connected via a dashed line. Router0 is connected to a switch (2950-24) which is connected to two PCs (PC0 and PC1). Router1 is connected to another switch (2950-24) which is connected to two PCs (PC2 and PC3). A text box indicates 'Connect two routers 20.0.0.0'. The Event List on the right shows a sequence of events, with the last event being a successful ICMP packet capture from PC0 to PC2. The bottom status bar shows the time as 00:10:14.705 and the play controls. The bottom right corner shows the Event List, Realtime, and Simulation tabs.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.001	PC0
	0.002	Switch0
	0.003	Router0
	0.004	Router1
	0.005	Switch1
	0.006	PC2
	0.007	Switch1
	0.008	Router1
	0.009	Router0
	0.010	Switch0
Visible	1.994	--

Reset Simulation ☒ Constant Delay Captured to: 1.994 s

Play Controls

Event List Filters - Visible Events

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

Edit Filters Show All/None

Time: 00:10:14.705 PLAY CONTROLS

Scenario 0

New Delete

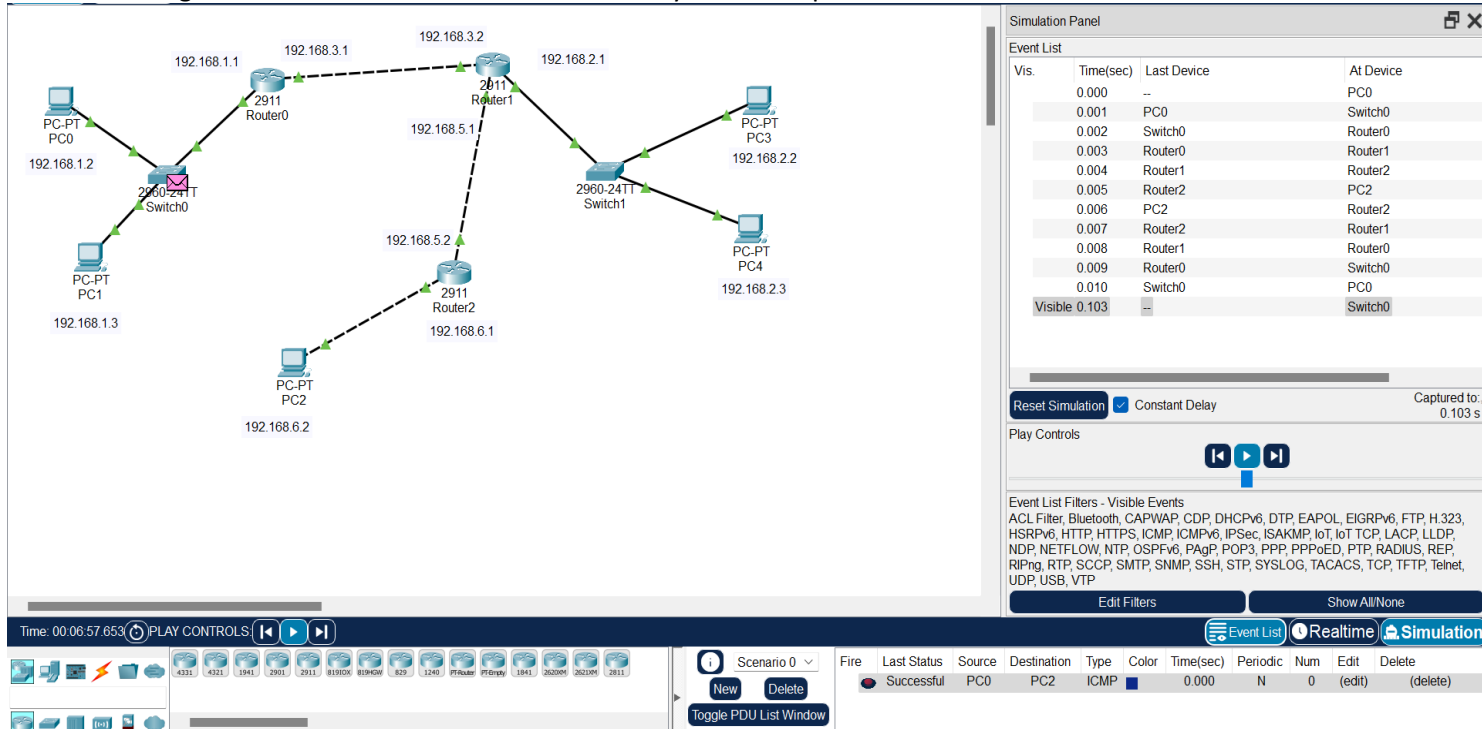
Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	(delete)

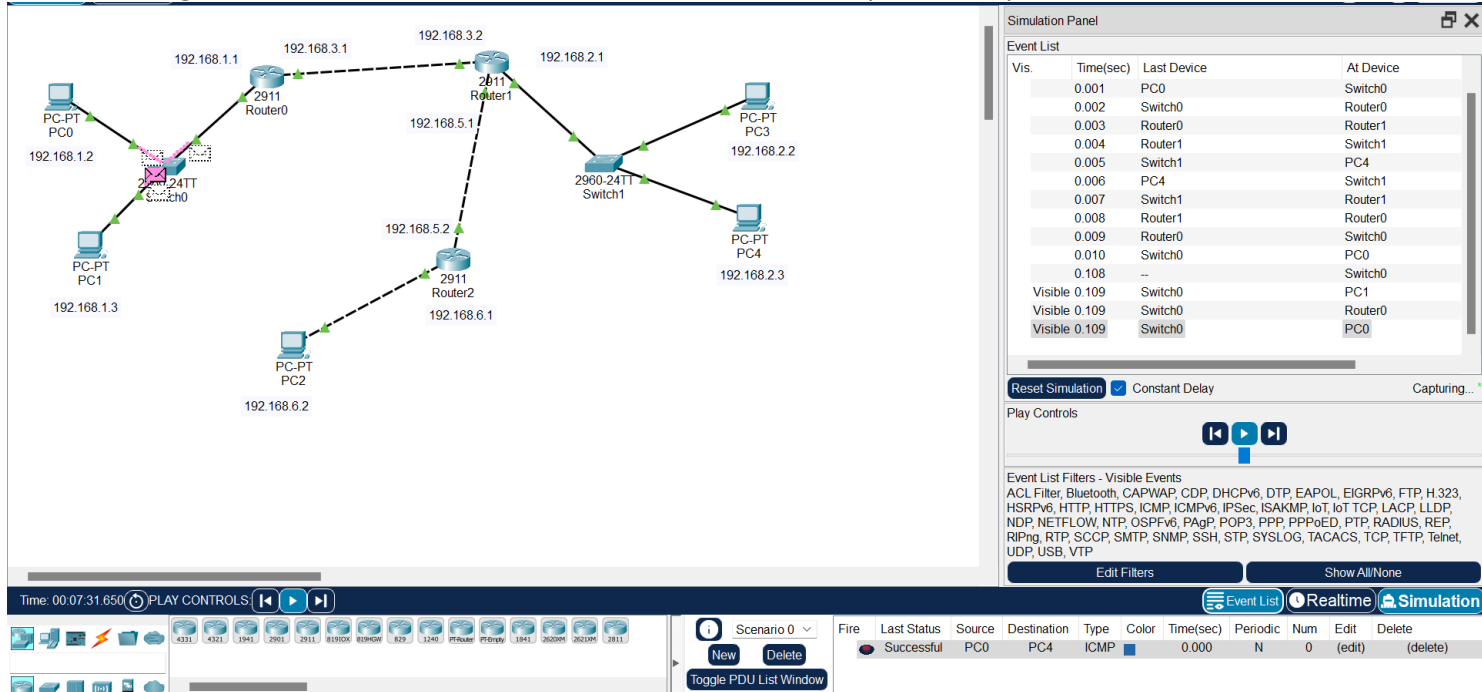
Here we can see that we have successfully sent from PC0 to PC2.

Task 2:

In the below figure we can see that We have successfully sent a simple PDU from PC0 to PC2



In the below figure we can see that we can see that We have successfully sent a simple PDU from PC0 to PC4



In the below figure we can see that we have successfully sent a simple PDU from PC2 to PC3

