

Computer Networks

CS361 Lab3

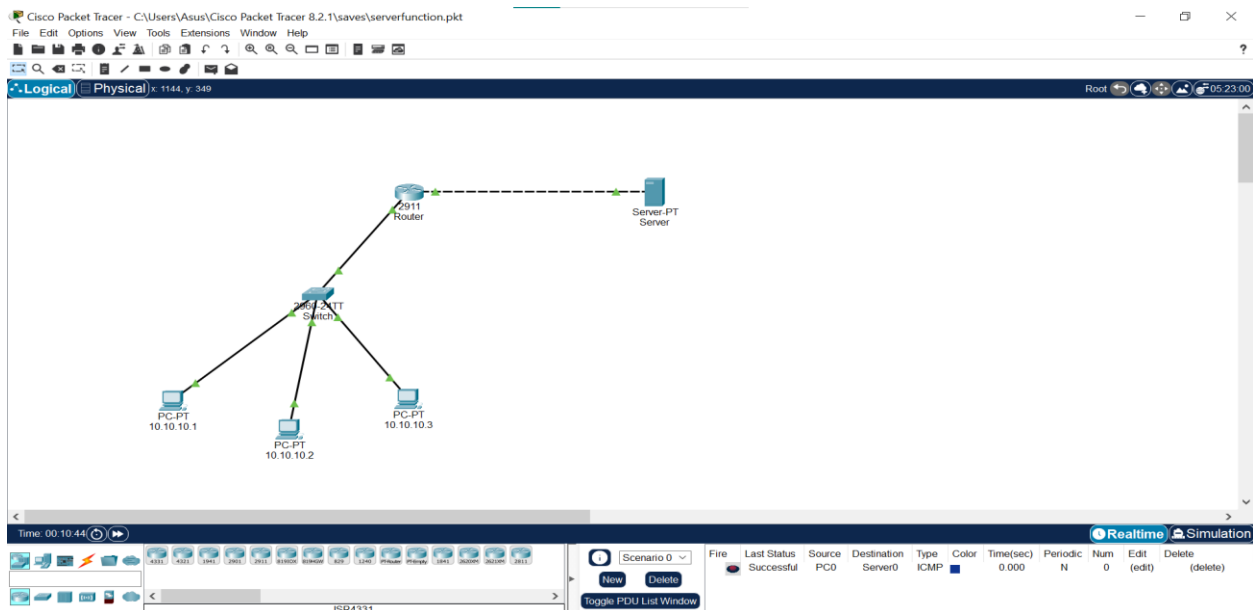
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CPT experiment file link: <https://drive.google.com/drive/folders/1zMnM-rBO3sj1o1q2YhZ-6c9QNuEVLYYI?usp=sharing>

Task1: Make a small network with a few PCs, one web server, a switch, and a router (just to give an idea of how to assign a default gateway). Make sure that all the devices are connected (use straight-through cables as we are connecting different devices). Create a web page that should contain your name and your roll number.

Creating Network

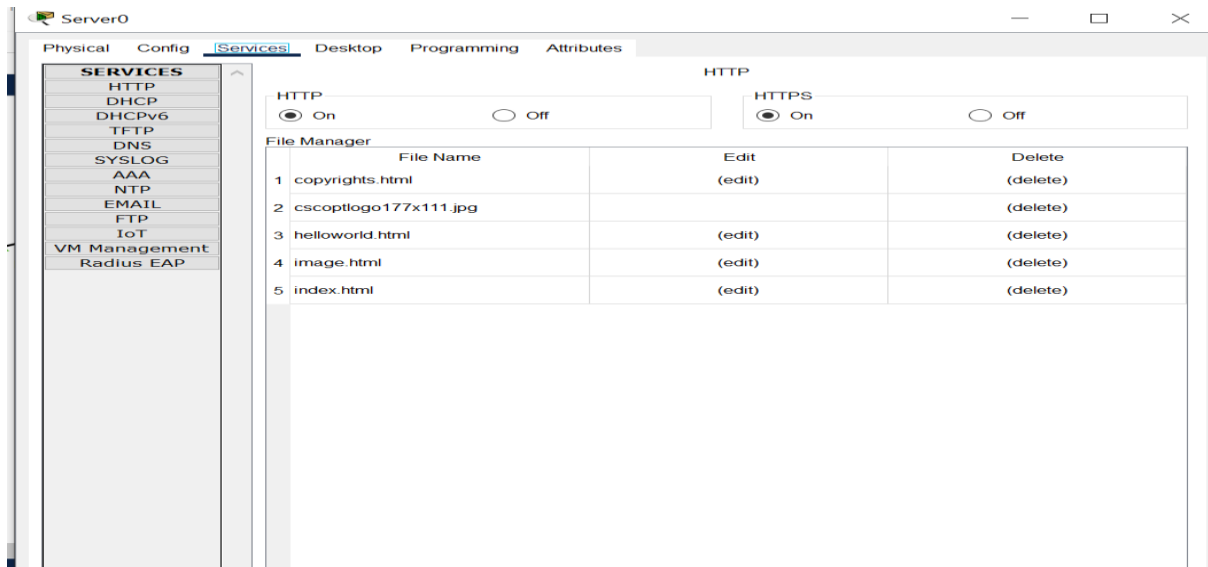


Checking Connection...

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Server0	ICMP		0.000	N	0	(edit)	(delete)

Connection established!

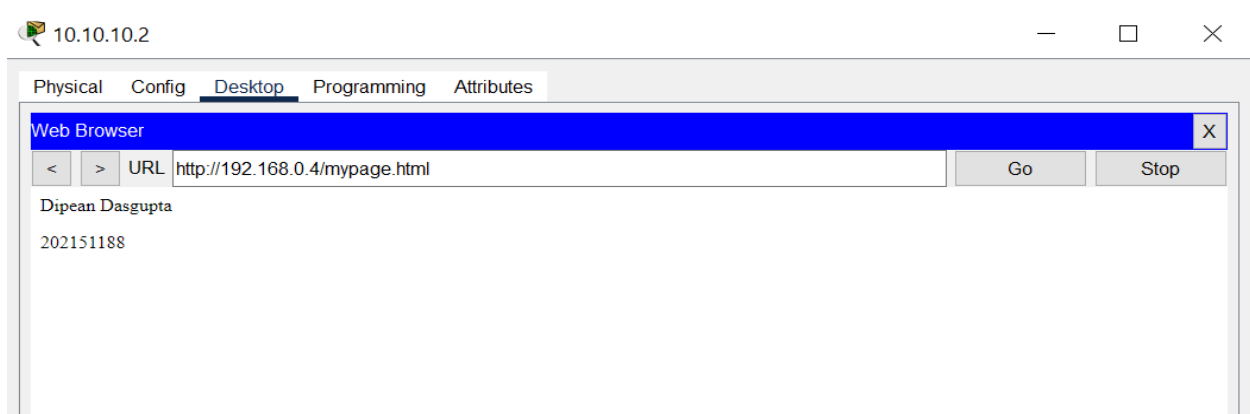
Enabling HTTP Service in Server...



Creating a webpage in server...

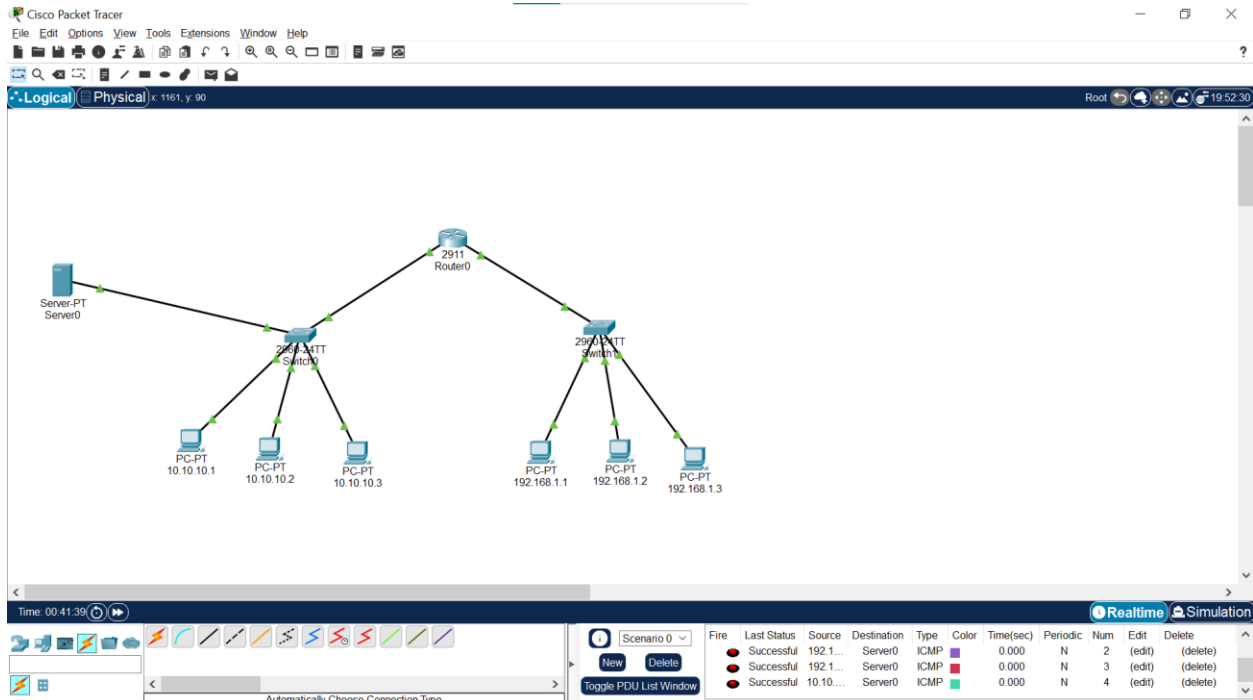


Accessing that file from server from a PC...



Task2: Make a complex network having at least two different network addresses. You can use many PCs, switches, and routers. Again create a web page through a PC. Note that this time the PC used to display the web page should be connected to another network address than a web server.

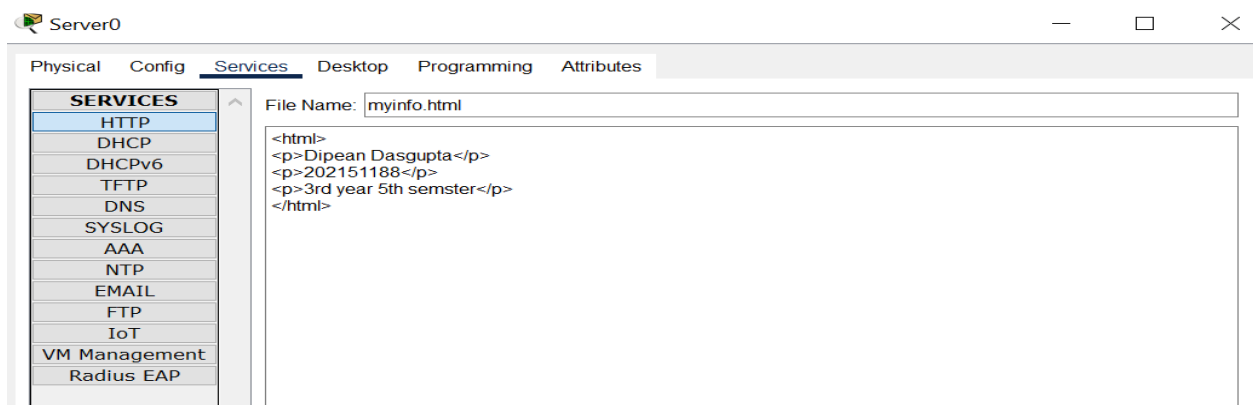
Creating Network:



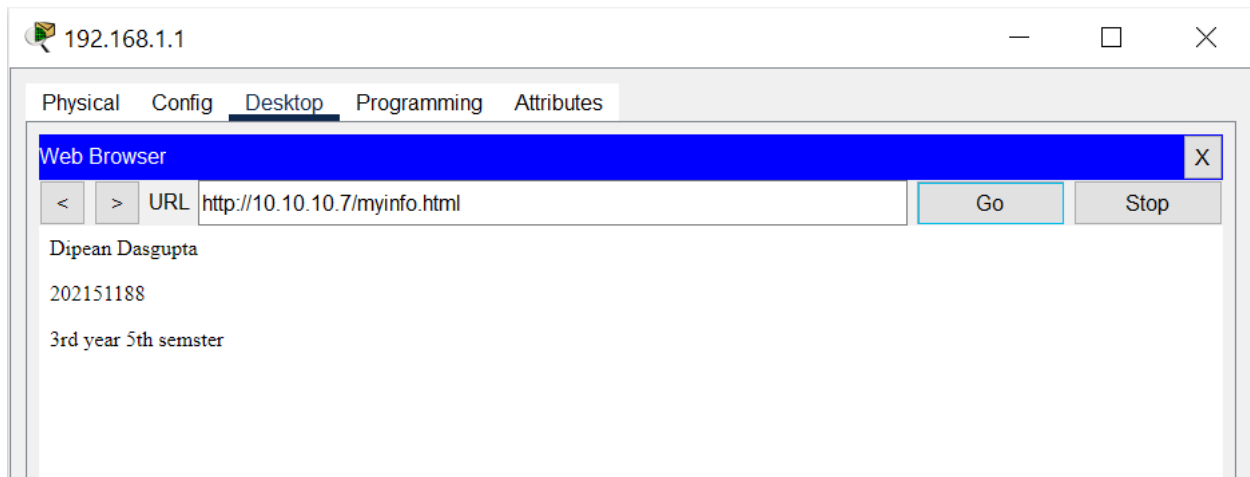
Establishing and checking connection...

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	192.1...	Server0	ICMP		0.000	N	2	(edit)	(delete)
	Successful	192.1...	Server0	ICMP		0.000	N	3	(edit)	(delete)
	Successful	10.10....	Server0	ICMP		0.000	N	4	(edit)	(delete)

Creating a webpage in server...



Accessing that file from server from a distant PC...



Here, the webpage is opened in pc with IP 192.168.1.1 which belongs to different network but is connected to server through a router. The webpage is successfully being displayed.