

Welcome

Subject Name: Computer Networking
Subject Code:28562

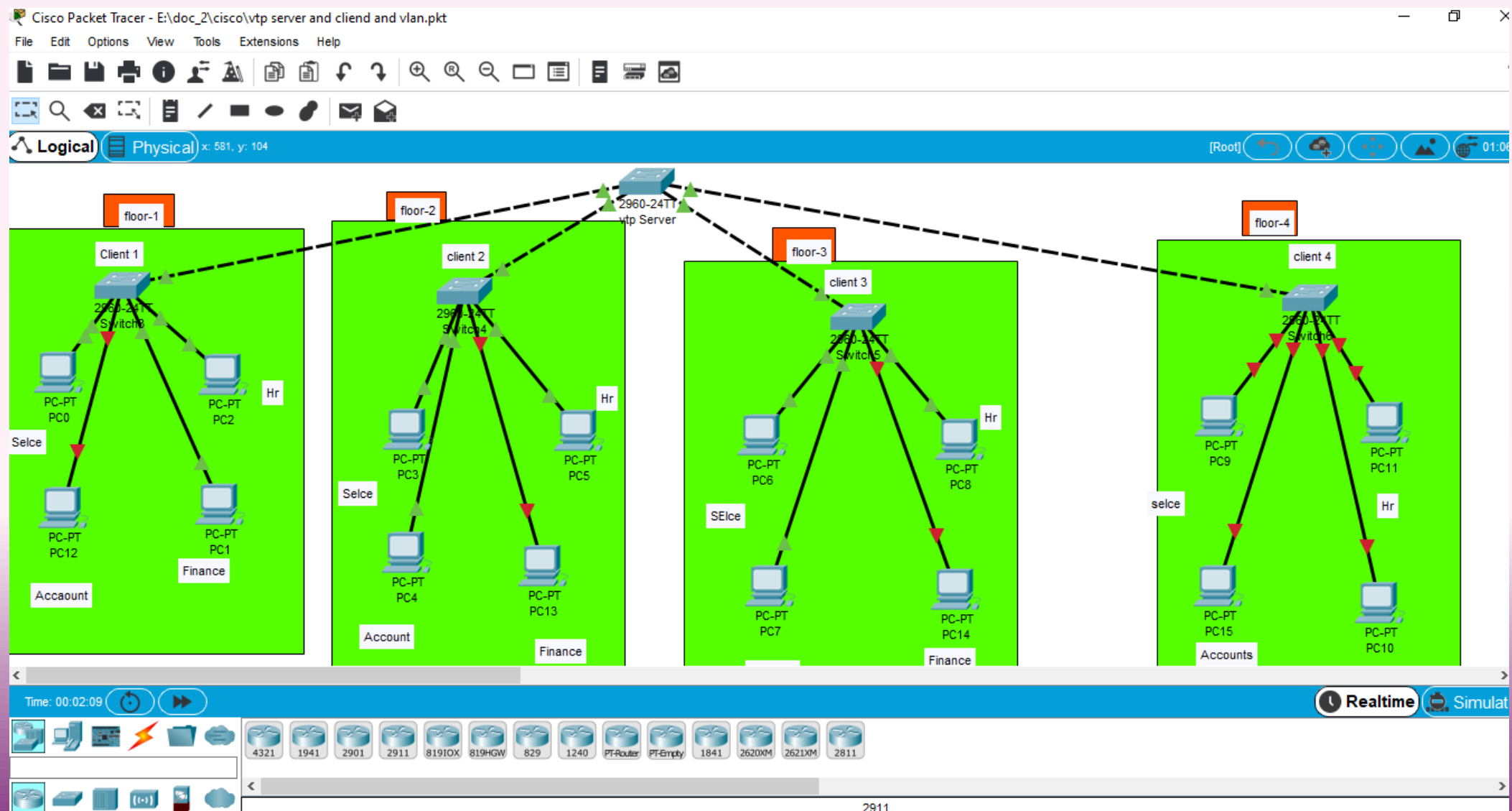
NECESSARY RESOURCES (TOOLS, EQUIPMENT AND MACHINERY):

SL	Item Name	Quantity
1	Network tool box	10 nos
2	Cat6 and Fiber Optic cable	05 box
3	RJ 45 connector	300 nos
4	Patch Cord and SFP Module	10 nos
5	Splicer Machine	5 nos
6	Crimping tool	10 nos
7	Cable tester	10nos
8	Hub	5 nos
9	Repeater	10 nos
10	Network Switch-8 Ports	5 nos

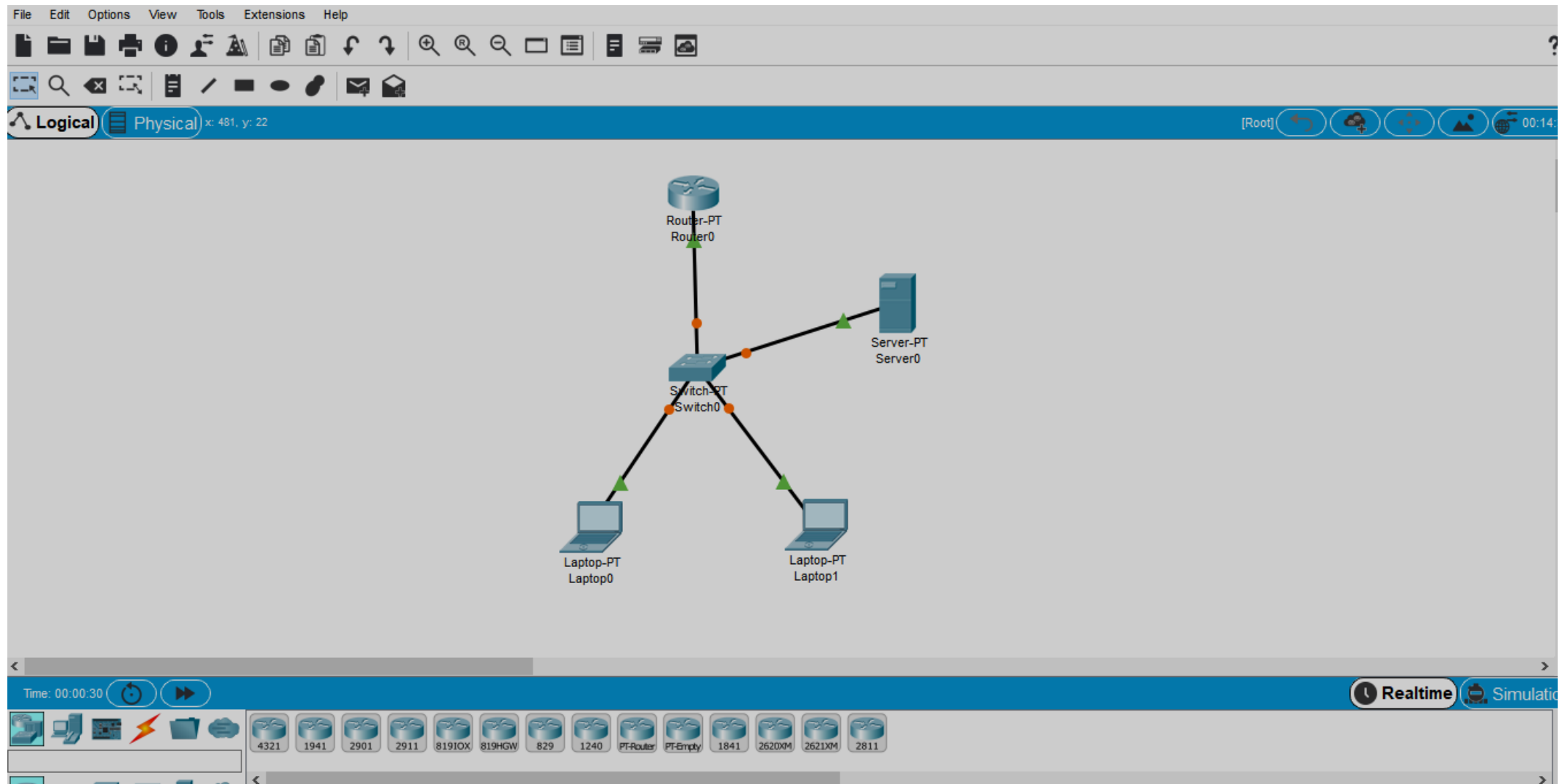
11	Network Switch- 24 Ports	10 nos
12	Network Switch-48 Ports	5 nos
13	Router (Wireless)	10 nos
14	Cisco Router	10 nos
15	Mikrotik Router (5P, 8P, 16P)	5 nos
16	Brouter	10 nos
17	Desktop PC	5 nos
18	Laser Printer	5 nos
19	Internet connection	At least 20 mbps
20	Windows server 2012/2019/2022 DVD(Licensed)	10 nos

Week	Class	Practical Content, Specific Object	Remarks
1	1	Identify Network Media.	
2	2	Work with network cables and Connectors.	
3	3	Establish a wired Peer to Peer/Workgroup LAN.	
4	4	Establish a wireless (Wi-Fi) Peer to Peer/Workgroup LAN.	
5	5	Perform the task to Work with a Peer/Workgroup LAN environment for simple data communication.	
6	6	Install and configure windows server.	
7	7	Connect internet to the existing Lan.	QUIZ-1
8		Mid term Exam.	
9	9	Configure windows firewall, defender and ping.	
10	10	Manage cloud network (google/yahoo drive).	
11	11	Establish a Client–Server Local Area Network.	
12	12	Configure DHCP server.	
13	13	Create & perform VLAN.	
14	14	Perform the preparation of manuals & documentations.	
15	15	Review the course	QUIZ-2
16	16	Review the course	

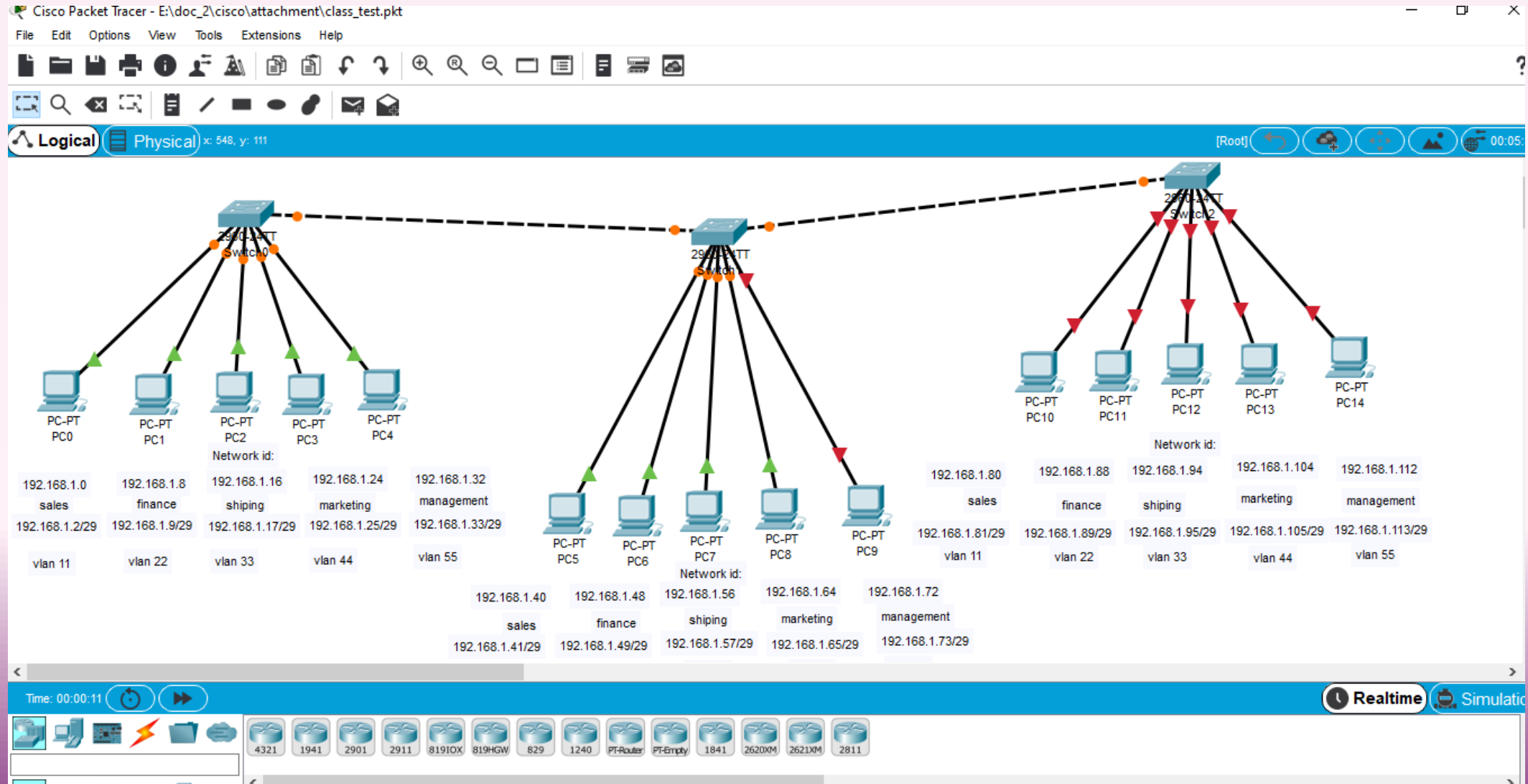
VLAN Configuration on cisco packet tracer:



DHCP Server configuration:



Establish a Client-Server Local Area Network:



Thank You for watching.....