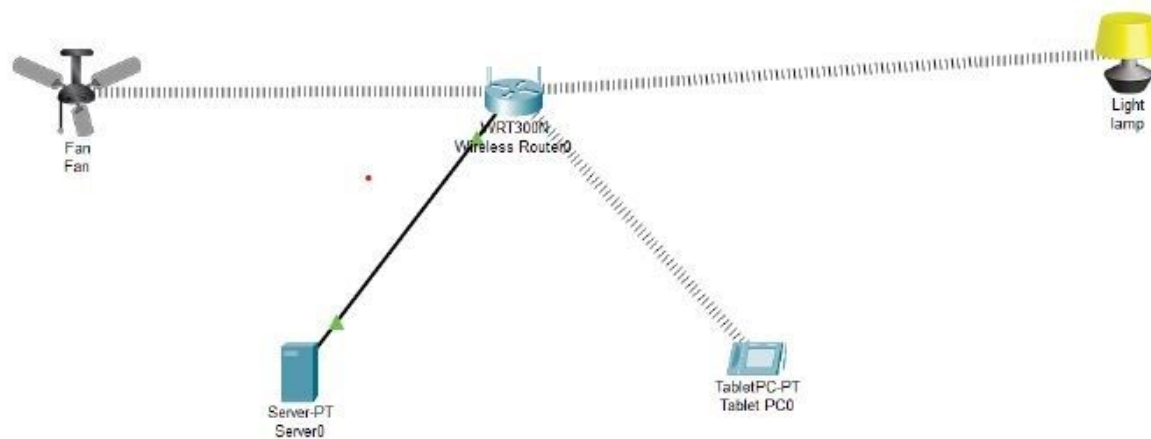


13. IOT Devices in Networking Using Cisco Packet Tracer

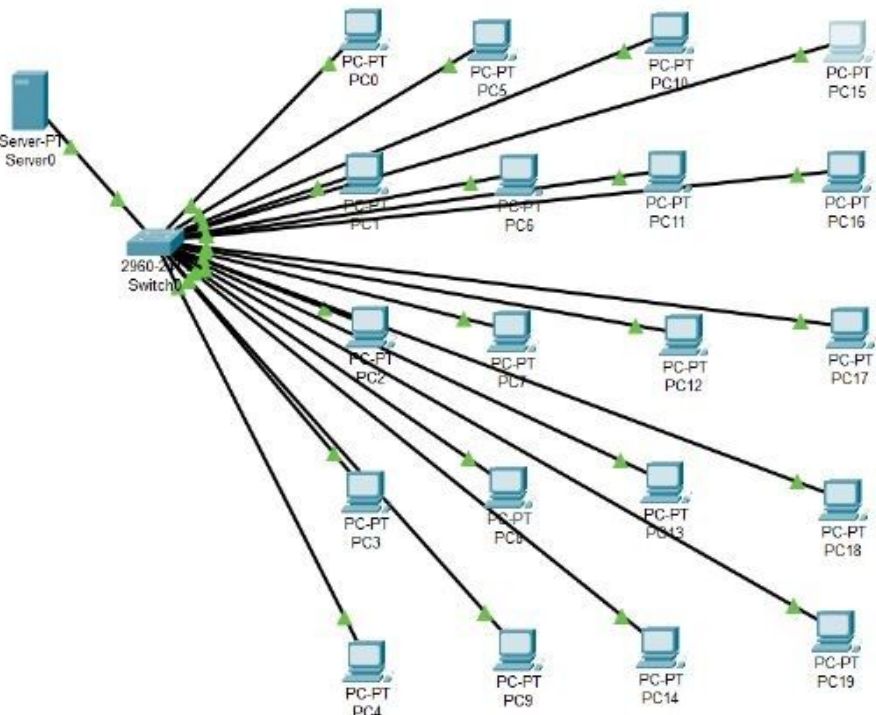


Name: k.Soni Priya
Reg no: 192224236

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 641, y 133 [Root] 16:16:30



Server-PT Server0

2960-24T Switch

PC-PT PC0, PC-PT PC5, PC-PT PC10, PC-PT PC15, PC-PT PC1, PC-PT PC6, PC-PT PC11, PC-PT PC16, PC-PT PC2, PC-PT PC7, PC-PT PC12, PC-PT PC17, PC-PT PC3, PC-PT PC8, PC-PT PC13, PC-PT PC18, PC-PT PC4, PC-PT PC9, PC-PT PC14, PC-PT PC19

PC15

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.1.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.254

DNS Server 8.8.8.8

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::203:E4FF:FE8E:A4DC

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

☐ Top

Time: 00:32:22

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Server0	PC15	ICMP		0.000	N	0	(edit)	(delete)

Copper Straight-Through

29°C Mostly cloudy

Search

ENG IN

09:01 12-08-2023

15. Make Computer Lab in Cisco Packet Tracer

Name: K.Soni Priya
Reg no: 192224236

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 445, y 251 [Root] 10:30:30

PC-PT Host1 172.16.1.1 255.255.0.0

Printer-PT Printer0 172.16.1.3 255.255.0.0

Switch0

PC-PT PC1 172.16.1.2 255.255.0.0

PC-PT PC2 172.16.1.4 255.255.0.0

Host1

Physical Config Desktop Programming Attributes

Command Prompt

```
Pinging 172.16.1.3 with 32 bytes of data:
Reply from 172.16.1.3: bytes=32 time<1ms TTL=128
Reply from 172.16.1.3: bytes=32 time<1ms TTL=128
Reply from 172.16.1.3: bytes=32 time<1ms TTL=128
Reply from 172.16.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 172.16.1.4

Pinging 172.16.1.4 with 32 bytes of data:
Reply from 172.16.1.4: bytes=32 time<1ms TTL=128
Reply from 172.16.1.4: bytes=32 time<1ms TTL=128
Reply from 172.16.1.4: bytes=32 time<1ms TTL=128
Reply from 172.16.1.4: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

16. Simulate a Multimedia Network

Name: K.Soni Priya

Reg no: 192224236

Time: 00:21:12

Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

30°C Mostly cloudy

Search

ENG IN

09:24 12-08-2023

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 337, y 163 [Root] 21:12:30

17. AAA Local & Server Based Authentication Configuration in Cisco Packet Tracer

Name: K.Soni Priya
Reg no: 192224236

Time: 01:29:33 Realtime Simulation

Scenario 0 New Delete Toggle PDU List Window

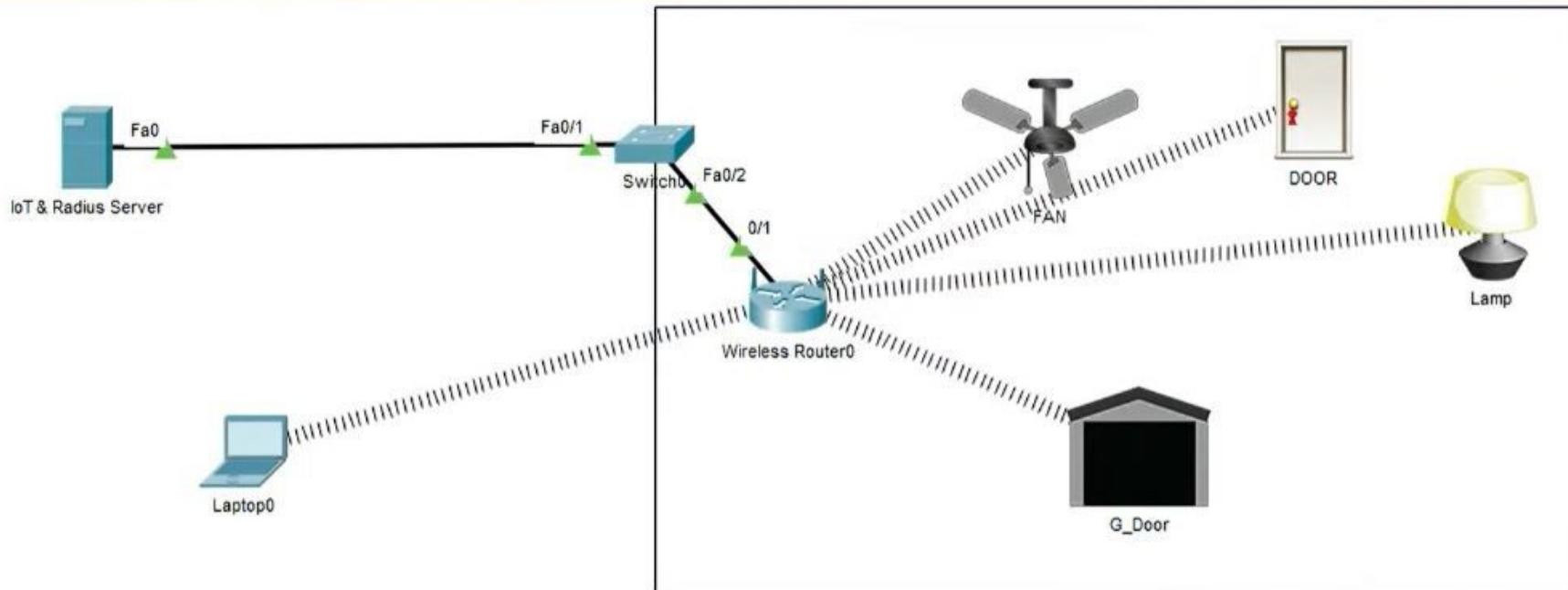
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

32°C Mostly cloudy

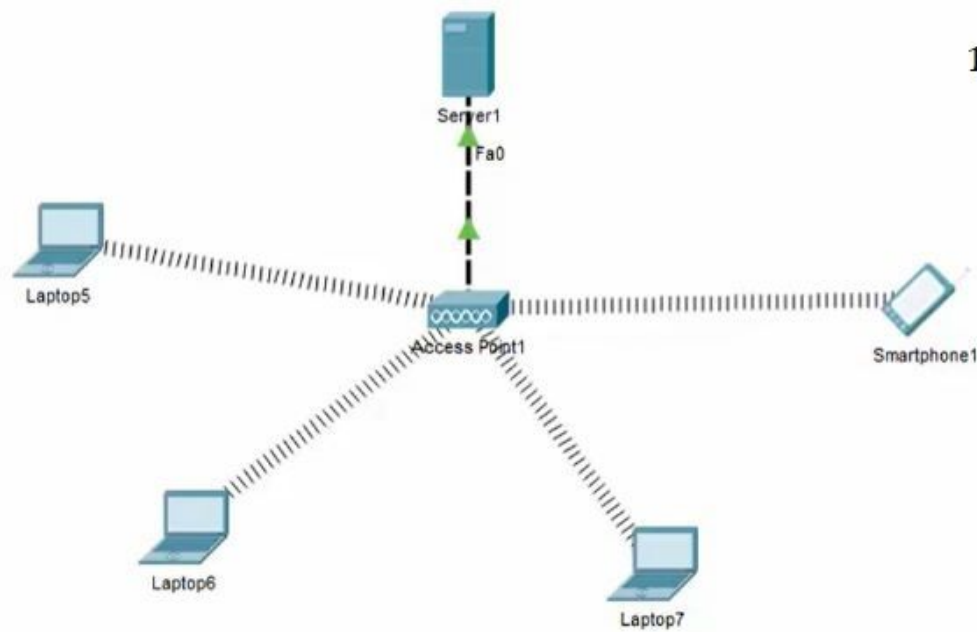
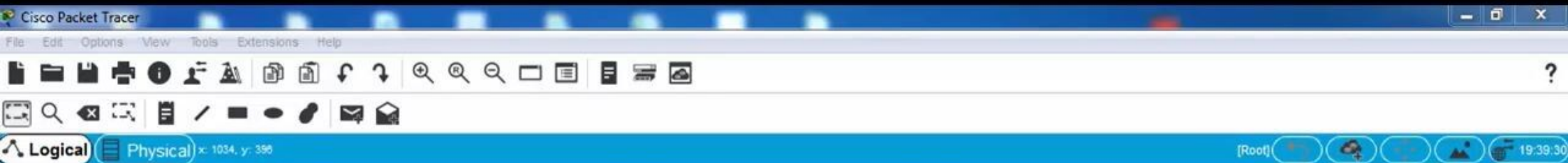
Search

ENG IN 10:57 12-08-2023



Name: k.Soni Priya
Reg no: 192224236

18. IOT Based Smart Home using WPA Security & Radius Server



19. WLAN Using Cisco Packet Tracer

Name: k.Soni Priya
Reg no: 192224236



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 778, y 381 [Root] 10:06:30

SMARTPHONE-PT Smartphone1

DES-100 Home Gateway

Fan Fan

Light Lamp

Appliance CF1

Window Windows

Smartphone1

Physical Config Desktop Programming Attributes

IoT Monitor

IoT Server - Devices Home | Conditions | Editor | Log Out

Fan (PTT0810ZASQ-)	Ceiling Fan
Status	Off Low High
Lamp (PTT0810R8ND-)	Light
Status	Off Dim On
Windows (PTT0810ZH65-)	Window
On	
CF1 (PTT08107ZC7-)	Appliance
On	

Top

Time: 00:20:09 Realtime Simulation

PC Laptop Server Wireless Router IP Phone VoIP Device Phone TV Wireless Tablet Smart Device Generic Wireless Generic Wired Switch

SMARTPHONE-PT

35°C Mostly cloudy

Search

ENG IN 14:47 12-08-2023

20. Control of Fan, Light, Window & Application of Using Cisco Packet Tracer

Name: K.Soni Priya
Reg no: 19222423