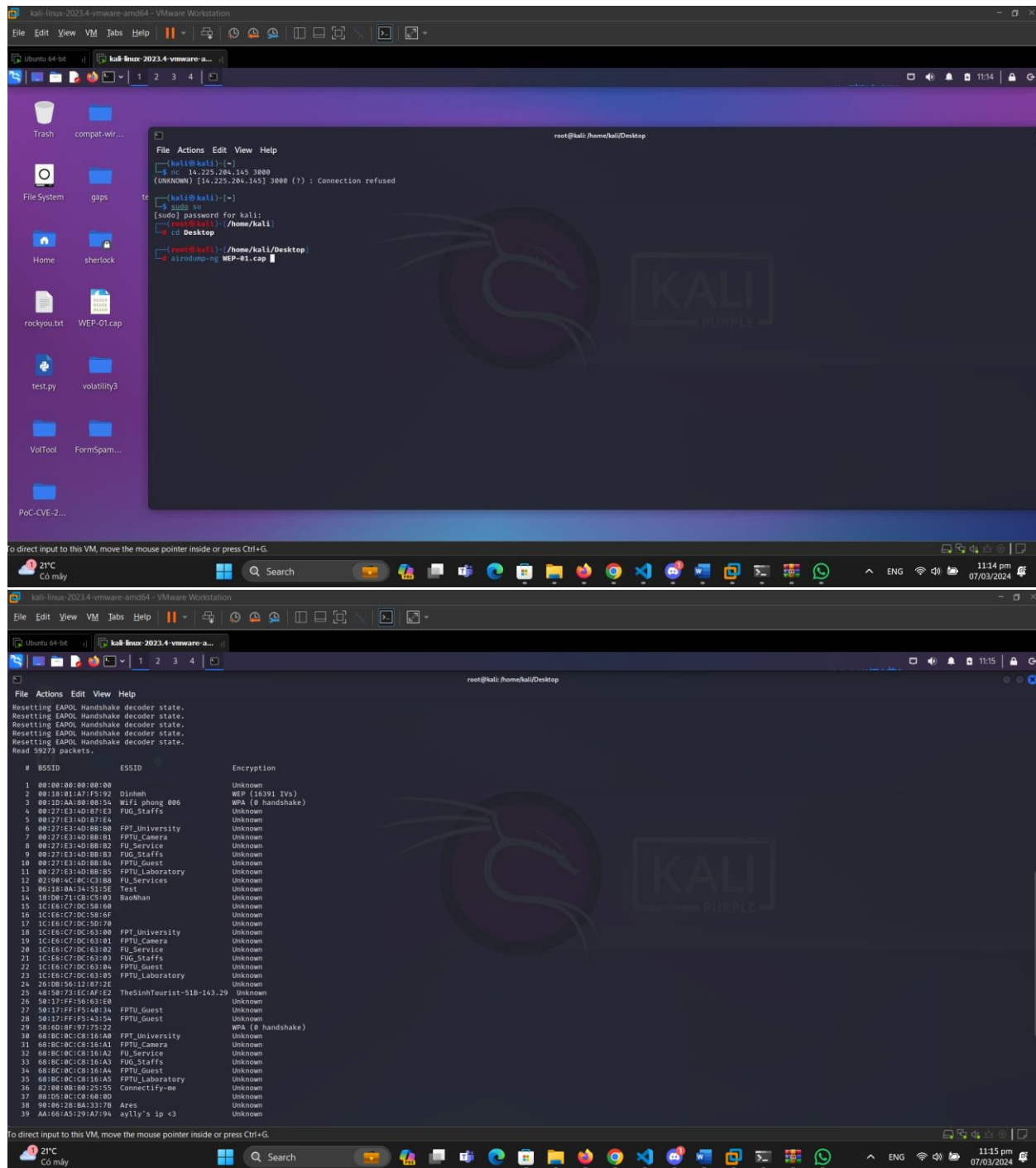


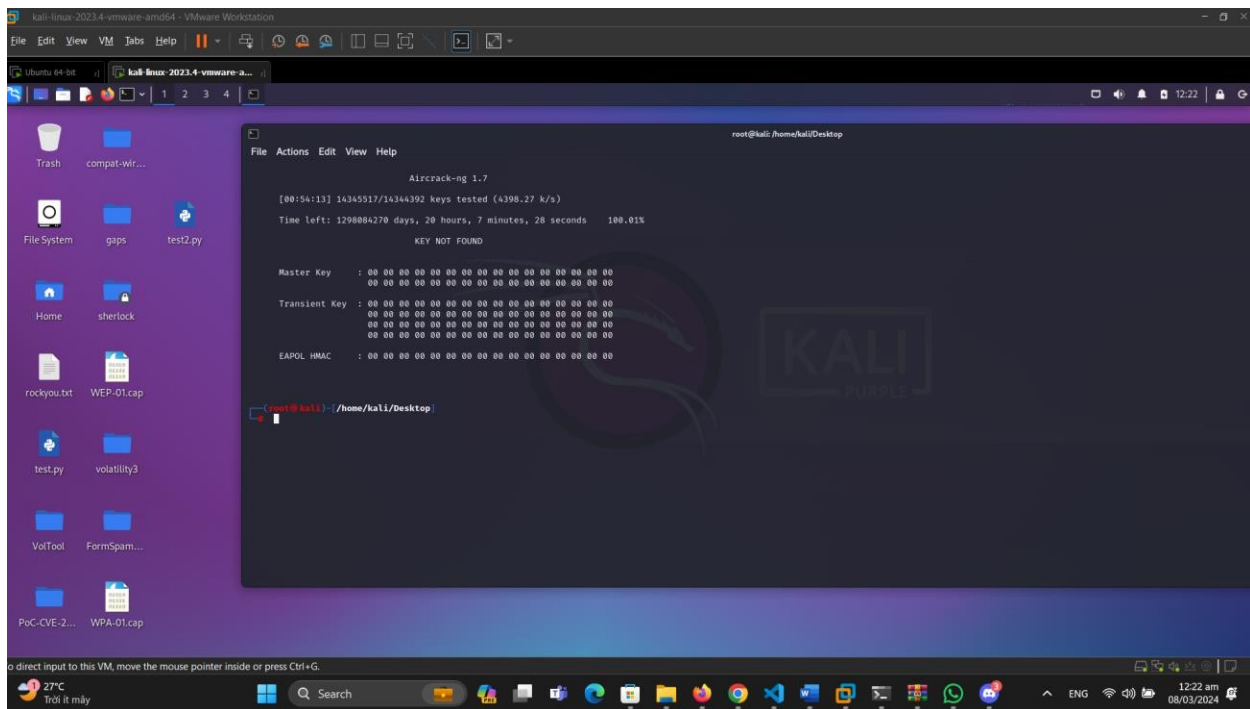
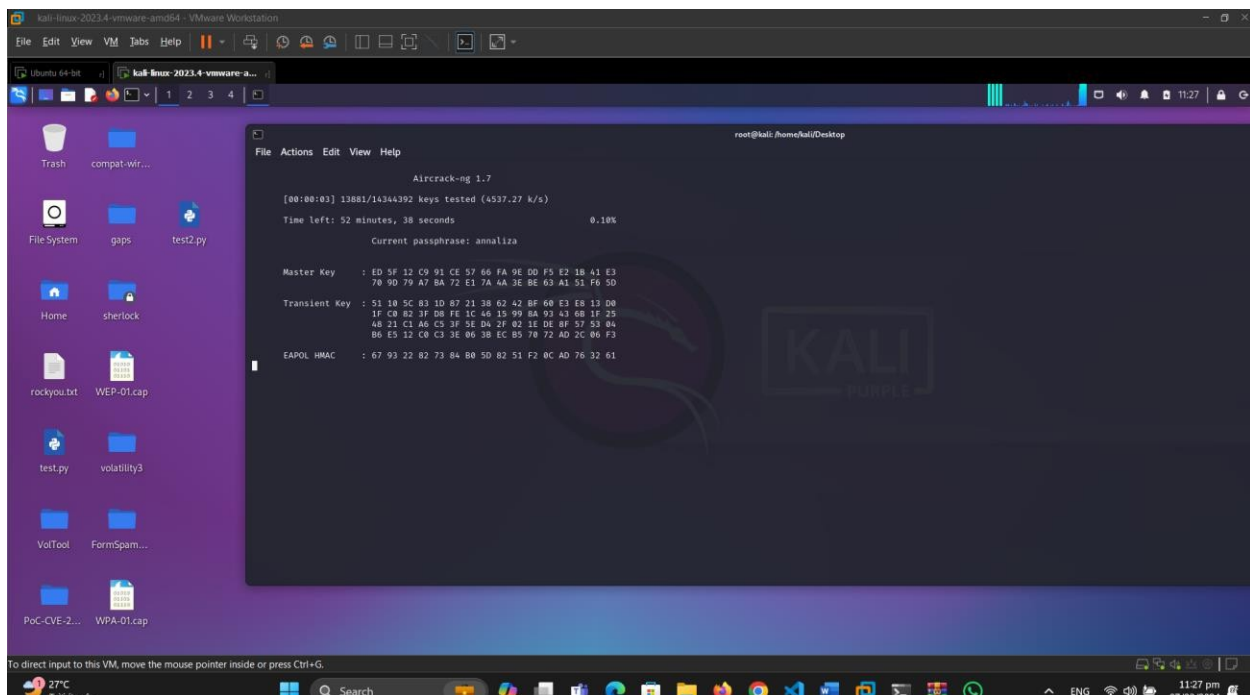
Họ và tên: Trần Minh Triết
MSSV: SE172241
Class: IA1702

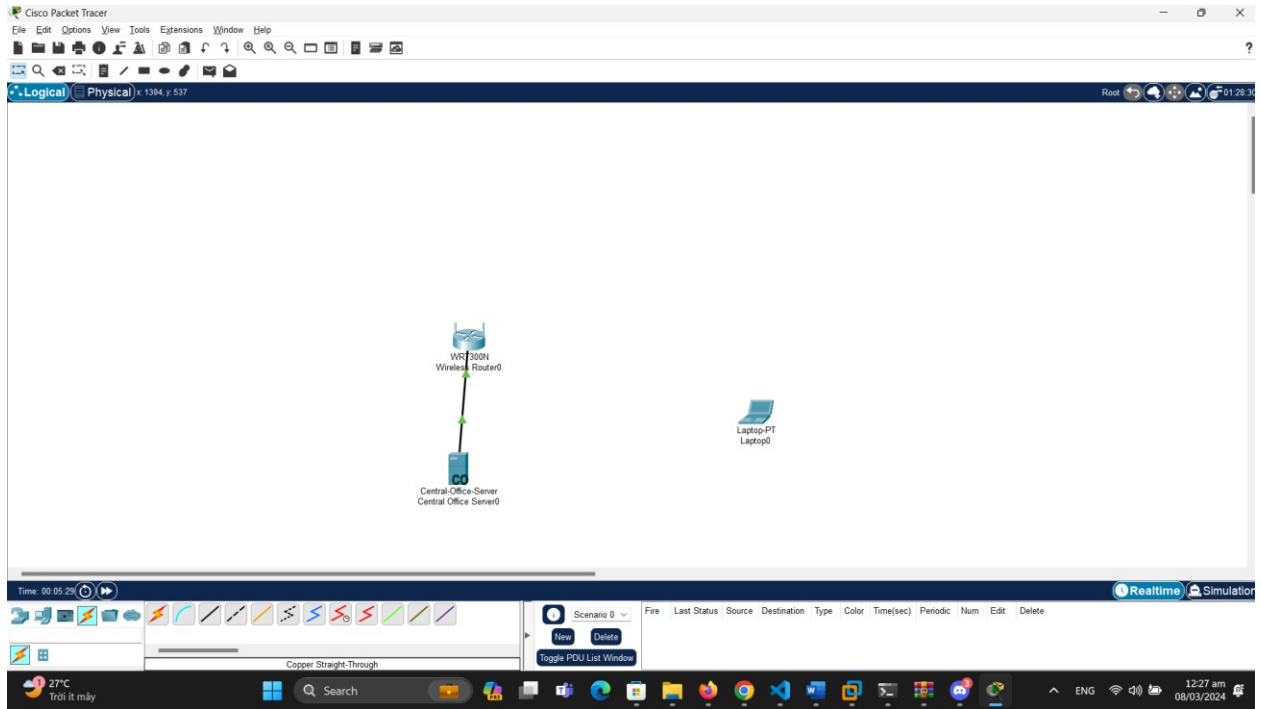
Lab 13: WIFI



```
kali-linux-2023.4-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
kali Linux 2023.4-vmware-amd64
root@kali: /home/kali/Desktop
File Actions Edit View Help
13 80:18:0A:34:51:5E Test Unknown
14 18:D0:71:C8:C5:03 BaoNhan Unknown
15 1C:E6:C7:DC:58:60 Unknown
16 1C:E6:C7:DC:58:6F Unknown
17 1C:E6:C7:DC:5D:70 Unknown
18 1C:E6:C7:DC:63:00 FPTU_University Unknown
19 1C:E6:C7:DC:63:01 FPTU_Camera Unknown
20 1C:E6:C7:DC:63:02 FU_Service Unknown
21 1C:E6:C7:DC:63:03 FUG_Staffs Unknown
22 1C:E6:C7:DC:63:04 FPTU_Guest Unknown
23 1C:E6:C7:DC:63:05 FPTU_Laboratory Unknown
24 26:D8:56:12:87:2E Unknown
25 4B:50:73:1C:AF:52 TheSinhTourist-518-143.2v Unknown
26 50:17:FF:F5:63:E0 Unknown
27 50:17:FF:F5:68:24 FPTU_Guest Unknown
28 50:17:FF:F5:43:54 FPTU_Guest Unknown
29 58:60:8F:97:75:22 WPA (0 handshake)
30 68:8C:8C:C8:16:A0 FPTU_University Unknown
31 68:8C:8C:C8:16:A1 FPTU_Camera Unknown
32 68:8C:8C:C8:16:A2 FU_Service Unknown
33 68:8C:8C:C8:16:A3 FUG_Staffs Unknown
34 68:8C:8C:C8:16:A4 FPTU_Guest Unknown
35 68:8C:8C:C8:16:A5 FPTU_Laboratory Unknown
36 82:00:00:00:25:55 Connectify-me Unknown
37 86:D5:8C:C8:00:00 Unknown
38 90:06:28:BA:33:78 Ares Unknown
39 AA:66:A5:29:A7:34 sylly's 1p <3 Unknown
40 CA:E9:84:36:C2:68 LeNa WPA (1 handshake)
41 CB:3A:15:51:6C:2D:08 KETOAN WPA (0 handshake)
42 CA:3A:15:51:6C:2D:08 Unknown
43 DC:72:98:07:BA:D4 HUAWET P20 Pro Unknown
44 E8:ED:F3:EA:44:F0 FPTU_University Unknown
45 E8:ED:F3:EA:44:F1 FPTU_Camera Unknown
46 E8:ED:F3:EA:44:F2 FU_Service Unknown
47 E8:ED:F3:EA:44:F3 FUG_Staffs Unknown
48 E8:ED:F3:EA:44:F4 FPTU_Guest Unknown
49 E8:ED:F3:EA:44:F5 FPTU_Laboratory Unknown
50 E8:ED:F3:EA:44:FF Unknown
Index number of target network 7 0:
direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```

```
kali-linux-2023.4-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
kali Linux 2023.4-vmware-amd64
root@kali: /home/kali/Desktop
File Actions Edit View Help
Aircrack-ng 1.7
[00:00:02] Tested 58350 keys (got 16391 IVs)
KB depth byte{vets}
0 0/ 6 12(23286) 93(21766) 88(21504) 83(20992) 83(20736) 28(20736) 73(20224) 8F(20224) 9F(20224) AC(20224) 00(19968) 05(19968) 0C(19968) 2F(19968) 0D(19968) 0B(19712) A9(19712) C3(19712) E3(19712)
1 0/ 3 34(24576) 34(22784) 99(22016) A2(21584) 81(21248) 23(21248) 7C(20992) 4D(20736) 88(20736) 3E(20480) A7(19968) 32(19712) 47(19712) 10(19456) 49(19456) 52(19456) C8(19456) E1(19456) AA(19200)
2 1/ 15 56(20992) F2(20692) 26(20692) 8C(20736) A1(20736) 68(20736) 58(20480) 60(20480) 88(20480) D9(20224) 10(20224) 3A(20224) C1(19968) 26(19712) 67(19712) A9(19712) FA(19712) 05(19456)
3 1/ 13 F9(20224) 14(19968) 10(19968) 76(19968) 0F(19968) 64(19712) 1A(19456) D6(19456) 2E(19200) F3(19200) 11(18944) 45(18944) 54(18944) AB(18944) BC(18944) 0B(18944) 16(18688) 34(18688) 3F(18688)
4 10/ 18 90(20224) CB(20224) 86(19968) AB(19968) 1C(19712) 65(19712) 79(19712) 9A(19712) 69(19456) AA(19456) BD(19456) 00(19200) 4D(19200) 5B(19200) FE(19200) 0A(18944) 2A(18944) 36(18944) 3E(18944)
KEY FOUND! [ 12:34:56:78:90 ]
Decrypted correctly: 100%
root@kali: /home/kali/Desktop
```





Server0

Physical

Config

Services

Desktop

Programming

Attributes

IP Configuration

X

IP Configuration

DHCP

Static

IPv4 Address

192.168.0.5

Subnet Mask

255.255.255.0

Default Gateway

DNS Server

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::20B:BEFF:FE31:360A

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

WR1300N
Wireless Router0

Server-PT
Server0

Time: 00:11:04

Realtime

Simulation

PC

Laptop

Server

Real Server

Network Controller

Printer

IP Phone

VoIP Device

Phone

TV

Tablet

Smart Phone

Generic Wireless

Generic Wired

Generic

Copper Straight-Through

0

New

Inlet

PDU List

Fire

Las

12:32 am

08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 305, y: 698 Root 04:25:30

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA**
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

AAA

Service ☒ On ☐ Off Radius Port 1645

Network Configuration

Client Name LabRadius Client IP 192.168.0.1

Secret chungthucradius ServerType Radius

Client Name	Client IP	Server Type	Key
-------------	-----------	-------------	-----

Add Save Remove

User Setup

Username Password

Username	Password
----------	----------

Add Save Remove

WRT300N Wireless Router0

Server-PT Server0

Time: 00:11:50 Realtime Simulation

PC Laptop Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

0 New Delete PDU List

12:32 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 437, y: 0 Root 04:37:30

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA**
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

AAA

Service ☒ On ☐ Off Radius Port 1645

Network Configuration

Client Name Client IP Secret ServerType Radius

	Client Name	Client IP	Server Type	Key	
1	LabRadius	192.168.0.1	Radius	chungthuc...	<div>Add</div> <div>Save</div> <div>Remove</div>

User Setup

Username Password

Username	Password	
		<div>Add</div> <div>Save</div> <div>Remove</div>

WR300N Wireless Router0

Server-PT Server0

Time: 00:12:14 Realtime Simulation

PC Laptop Server Wireless Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

0 New Delete PDU List

12:33 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 437, y: 0 Root 04:47:00

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA**
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

AAA

Service ☒ On ☐ Off Radius Port 1645

Network Configuration

Client Name Client IP Secret ServerType Radius

	Client Name	Client IP	Server Type	Key	
1	LabRadius	192.168.0.1	Radius	chungthuc...	<div>Add</div> <div>Save</div> <div>Remove</div>

User Setup

Username Password

	Username	Password	
1	radius	chungthucradius	<div>Add</div> <div>Save</div> <div>Remove</div>

WRT300N Wireless Router0

Server-PT Server0

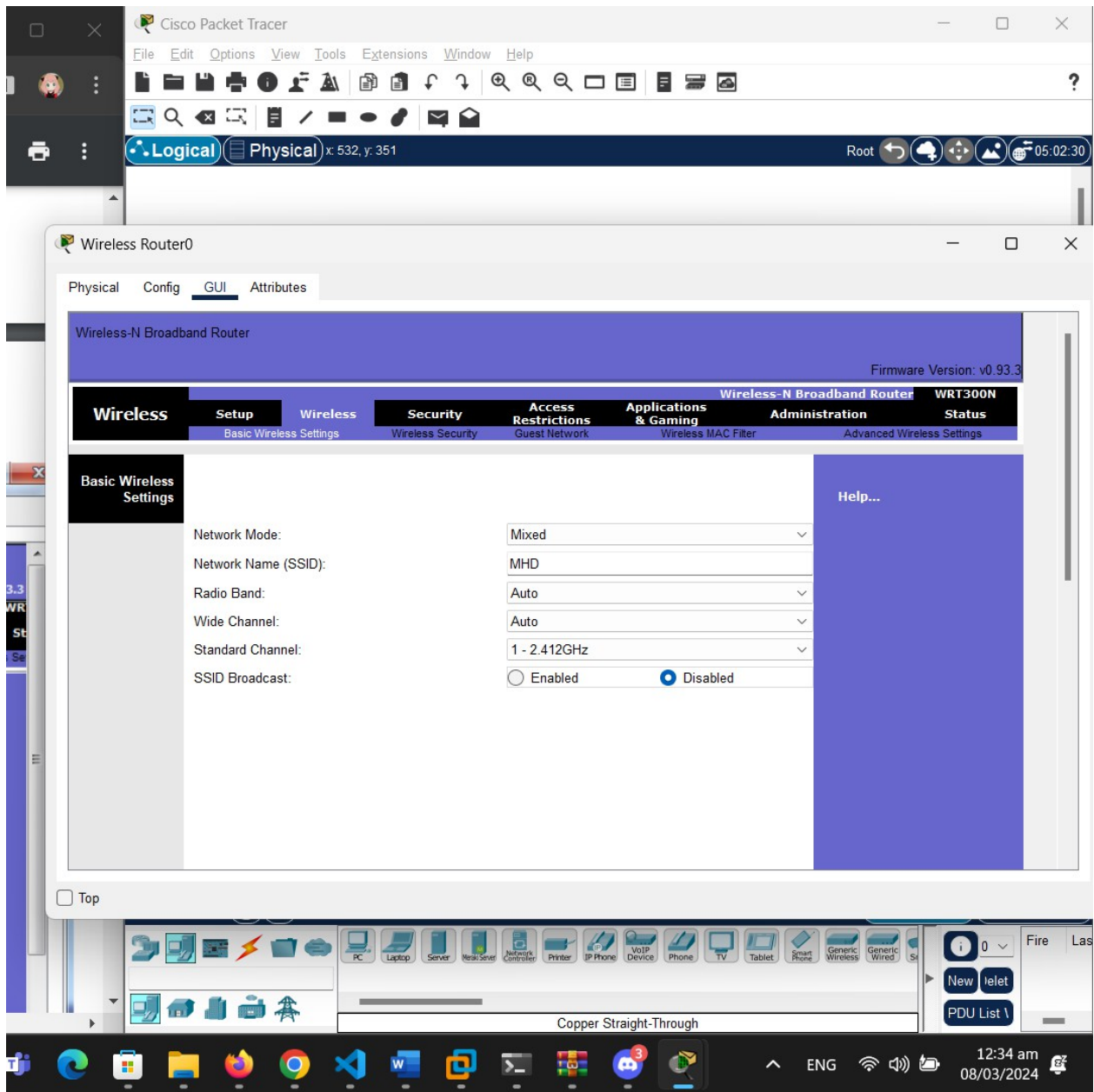
Time: 00:12:33 Realtime Simulation

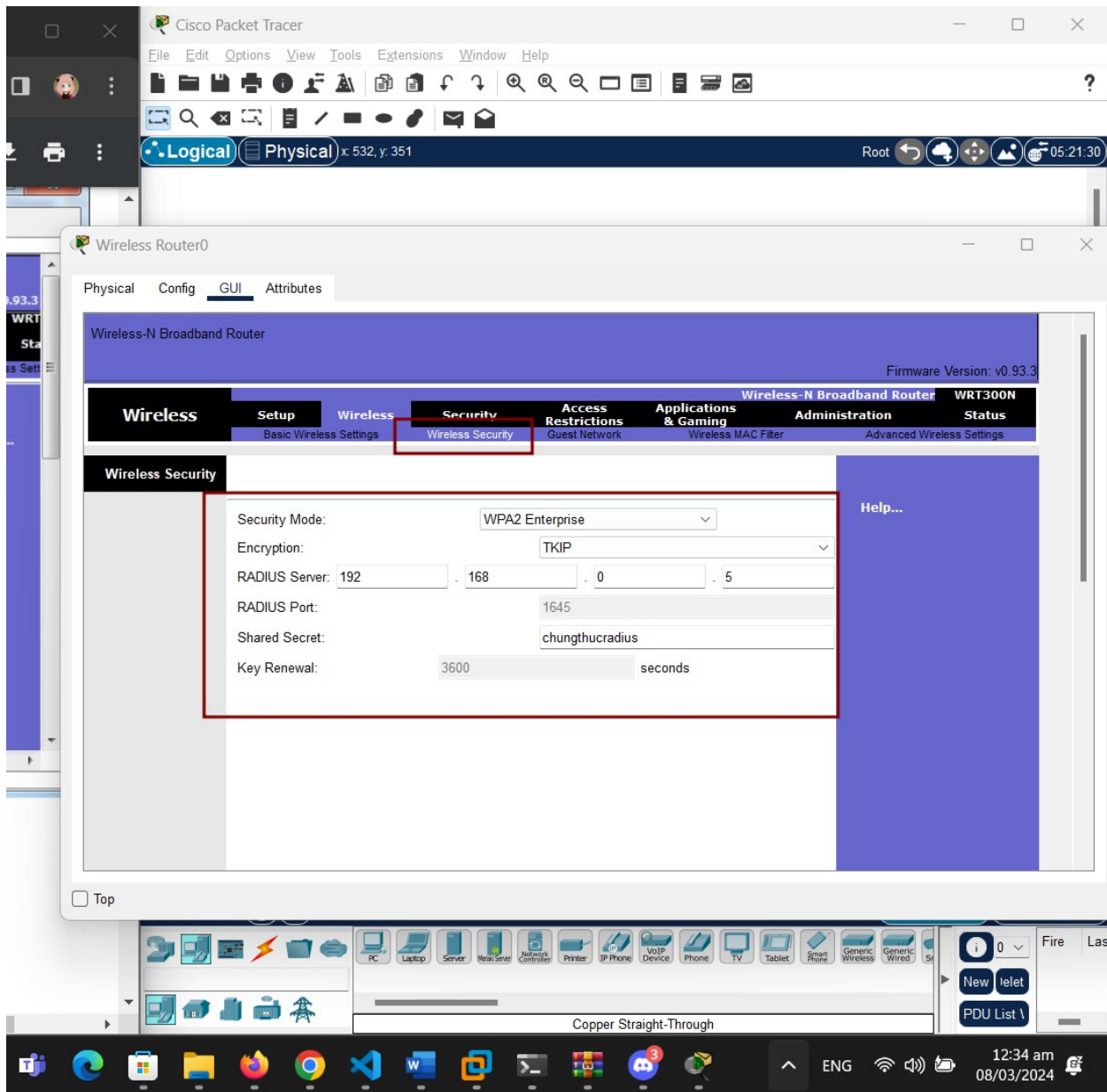
PC Laptop Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

0 New lelet PDU List \

ENG 12:33 am 08/03/2024





Cisco Packet Tracer

FileEditOptionsViewToolsExtensionsWindowHelp

LogicalPhysicalx 726, y: 531Root06:09:00

Laptop0

PhysicalConfigDesktopProgrammingAttributes

MODULES

WPC300NPT-LAPTOP-NM-1AMPPT-LAPTOP-NM-1CEPT-LAPTOP-NM-1CFEPT-LAPTOP-NM-1CGEPT-LAPTOP-NM-1FFEPT-LAPTOP-NM-1FGEPT-LAPTOP-NM-1WPT-LAPTOP-NM-1W-APT-LAPTOP-NM-1W-ACPT-LAPTOP-NM-3G/4GPT-HEADPHONEPT-MICROPHONE

Physical Device View

Zoom InOriginal SizeZoom Out

Customize Icon in Physical View

Customize Icon in Logical View

The Linksys-WPC300N module provides one 2.4GHz wireless interface suitable for connection to wireless networks. The module supports protocols that use Ethernet for LAN access.

☐ Top

Time: 00:15:15

RealtimeSimulation

PCLaptopServerVoice ServerNetwork ControllerPrinterIP PhoneVoIP DevicePhoneTVTabletSmart PhoneGeneric WirelessGeneric Wired

0FireLas

NewDeletePDU List

Copper Straight-Through

ENG12:36 am08/03/2024

Cisco Packet Tracer

FileEditOptionsViewToolsExtensionsWindowHelp

LogicalPhysicalx: 724, y: 506Root07:03:00

Laptop0

PhysicalConfigDesktopProgrammingAttributes

Link InformationConnectProfiles

To connect to a network, select the profile name then click the **Connect** button. To create or edit a profile, use the menu bar at the bottom of the screen.

Profile	Wireless Network Name
Default	Default

NewEditImportExportDelete

Site Information

Wireless ModeInfrastructure

Wide ChannelAuto

Standard ChannelAuto

SecurityDisable

AuthenticationAuto

Connect

24GHz

Adapter is Inactive

Wireless-N Notebook AdapterWireless Network Monitor v1.0Model No. WPC300N

☐ Top

Time: 00:17:03

RealtimeSimulation

Copper Straight-Through

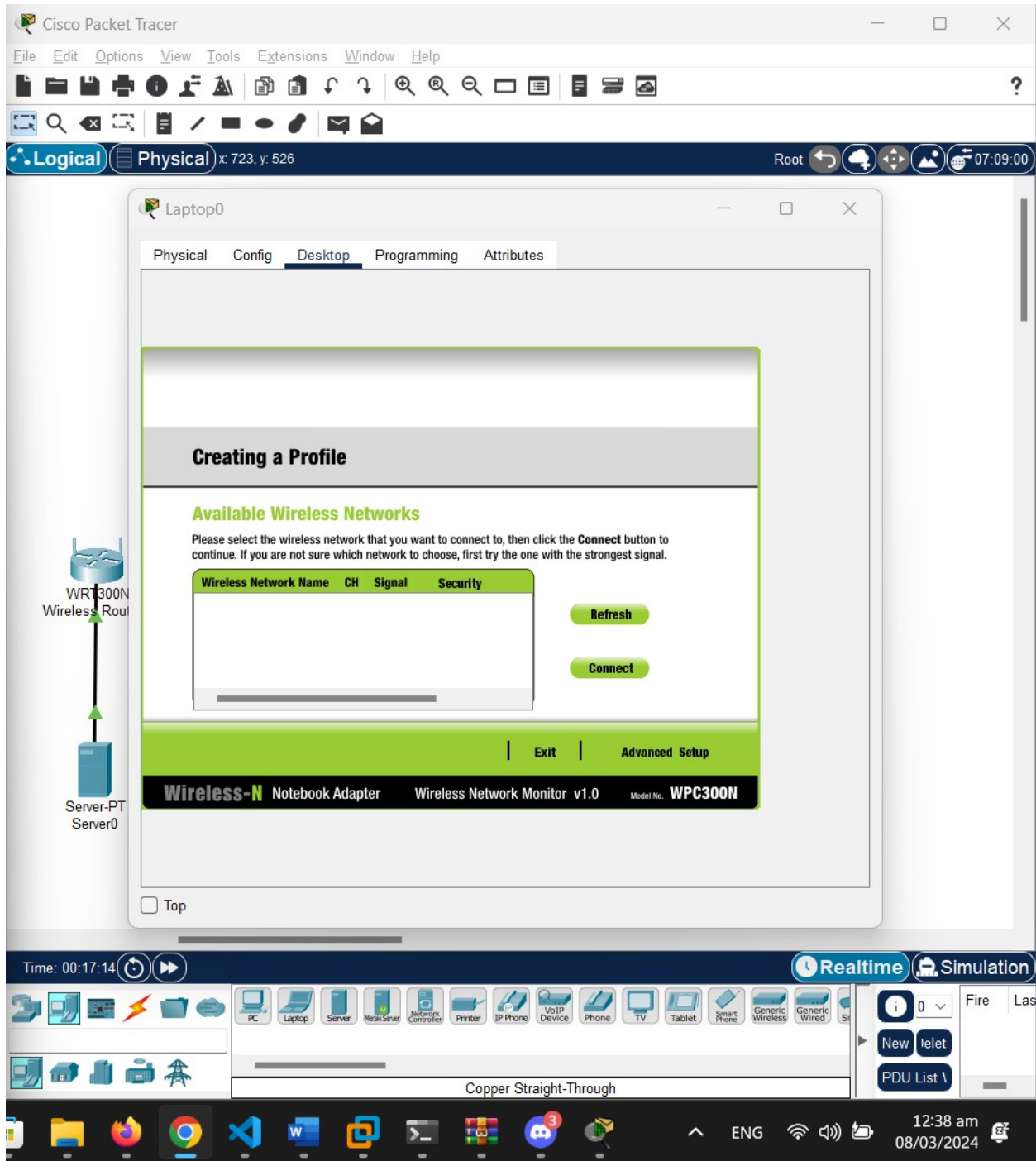
0FireLas

Newlelet

PDU List \

ENG

12:38 am08/03/2024



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 721, y: 499 Root 07:17:30

Laptop0

Physical Config Desktop Programming Attributes

Creating a Profile

Wireless Mode

Please choose the Wireless Mode that best suits your needs.

☒ **Infrastructure Mode** Select Infrastructure Mode if you want to connect to a wireless router or access point.

☐ **Ad-Hoc Mode** Select Ad-Hoc Mode if you want to connect to another wireless device directly without using a wireless router or access point.

Please enter the wireless network name (SSID) for your wireless network.
The wireless network name is shared by all devices in a wireless network and is case-sensitive.

Wireless Network Name

Back Next

Wireless-N Notebook Adapter Wireless Network Monitor v1.0 Model No. WPC300N

Top

Time: 00:17:31 Realtime Simulation

PC Laptop Server Wireless Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired Smart

Copper Straight-Through

0 Fire Las New delet PDU List

12:38 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 628, y: 392 Root 07:28:00

Laptop0

Physical Config Desktop Programming Attributes

Creating a Profile

Network Settings

☒ Obtain network settings automatically (DHCP)
Select this option to have your network settings assigned automatically.

☐ Specify network settings
Select this option to specify the network settings for the adapter.

IP Address

DNS 1

Subnet Mask

DNS 2

Default Gateway

Back

Next

Wireless-N Notebook Adapter

Wireless Network Monitor v1.0

Model No. WPC300N

☐ Top

Time: 00:17:52

Realtime Simulation

0

New

lelet

PDU List 1

Fire Las

PC Laptop Server Work Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

ENG 12:39 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 631, y: 465 Root 07:43:30

Laptop0

Physical Config Desktop Programming Attributes

Creating a Profile

Wireless Security

Security WPA2-Enterpris

Please select the wireless security method used by your existing wireless network.

WEP stands for Wired Equivalent Privacy.

WPA-Personal, also known as Pre-shared Key, is a security standard stronger than WEP encryption.

WPA2-Personal is the newer version with stronger encryption than WPA-Personal.

WPA-Enterprise, WPA2-Enterprise and RADIUS use Remote Authentication Dial-In User Service (RADIUS).

Back Next

Wireless-N Notebook Adapter Wireless Network Monitor v11f Model No. WPC300N

Top

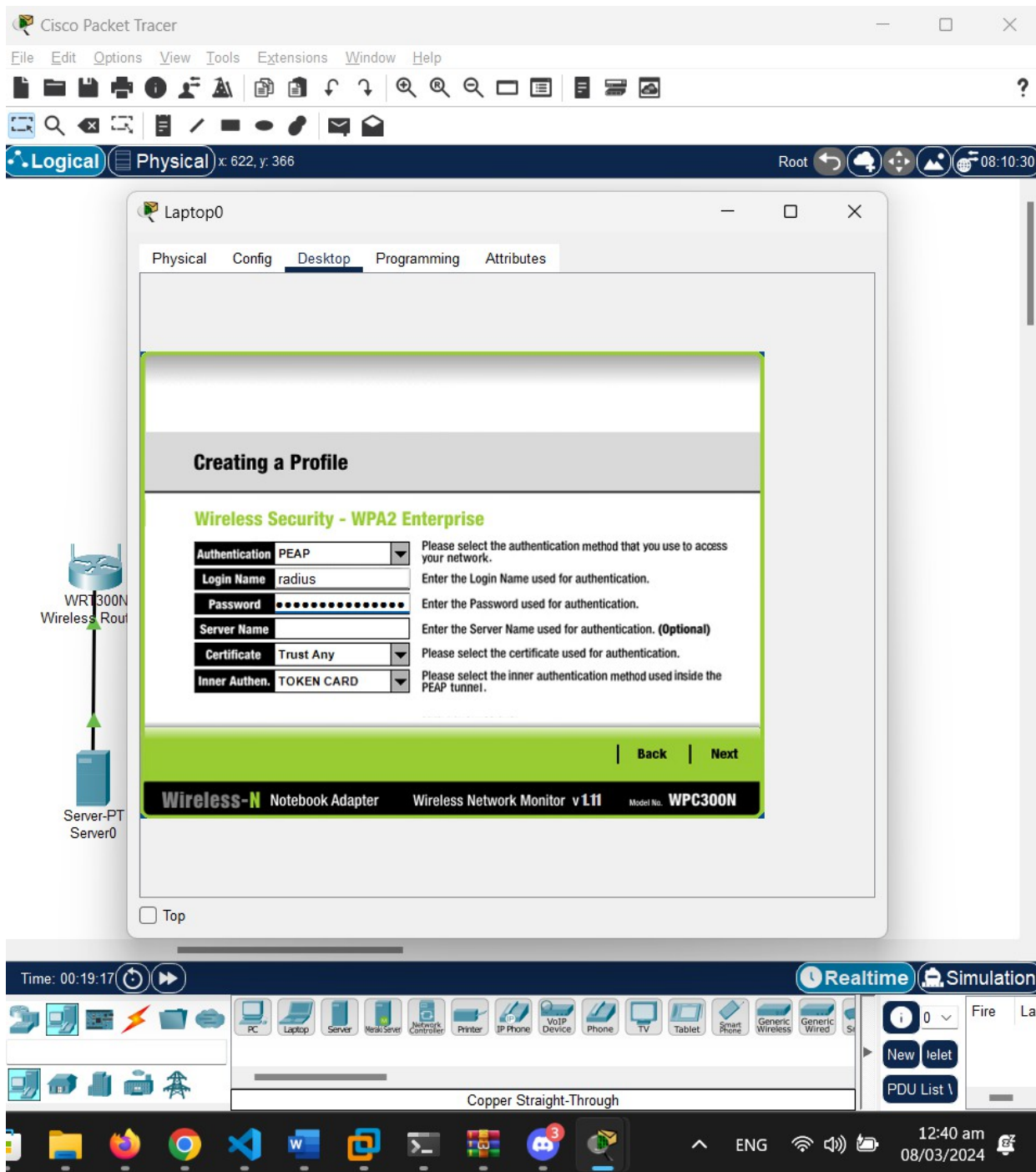
Time: 00:18:23 Realtime Simulation

PC Laptop Server Wireless Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

0 New Delete PDU List

12:39 am 08/03/2024



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 622, y: 366 Root 08:18:30

Laptop0

Physical Config Desktop Programming Attributes

Confirm New Settings

Profile Settings			
Wireless Network Name	MHD	IP Address	Auto
Wireless Mode	Infrastructure	Subnet Mask	Auto
Network Mode	Mixed Mode	Default Gateway	Auto
Radio Band	Auto	DNS1	Auto
Wide Channel	Auto	DNS2	
Standard Channel	Auto		
Security	WPA2 Enterprise		
Authentication	Auto		

Exit Back Save

Wireless-N Notebook Adapter Wireless Network Monitor v1.0 Model No. WPC300N

Time: 00:19:33 Realtime Simulation

PC Laptop Server Mesh Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

Copper Straight-Through

12:40 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 717, y: 430 Root 08:27:00

Laptop0

Physical Config **Desktop** Programming Attributes

Link Information Connect Profiles

To connect to a network, select the profile name then click the **Connect** button. To create or edit a profile, use the menu bar at the bottom of the screen.

Profile	Wireless Network Name
Default	MHD

Site Information

Wireless Mode Infrastructure
Wide Channel Auto
Standard Channel Auto
Security WPA2-Enterprise
Authentication Auto

Connect

New Edit Import Export Delete

Adapter is Inactive

Wireless-N Notebook Adapter Wireless Network Monitor v1.0 Model No. WPC300N

Top

Time: 00:19:50

Realtime Simulation

PC Laptop Server Wireless Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

TV-PT

0 New delet PDU List 1

12:40 am 08/03/2024

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 629, y: 527 Root 09:15:00

Laptop0

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 11 Mbps

MAC Address 0005.5ED8.9594

SSID MHD

Authentication

☐ Disabled ☐ WEP WEP Key

☐ WPA-PSK ☐ WPA2-PSK PSK Pass Phrase

☐ WPA ☒ WPA2 User ID radius

☐ 802.1X Method: MD5 Password chungthucradius

Encryption Type TKIP

IP Configuration

☒ DHCP

☐ Static IPv4 Address 169.254.149.148

Subnet Mask 255.255.0.0

IPv6 Configuration

☐ Automatic

WR1300N Wireless Router

Server-PT Server0

Time: 00:21:25

Realtime Simulation

PC Laptop Server Wireless Server Network Controller Printer IP Phone VoIP Device Phone TV Tablet Smart Phone Generic Wireless Generic Wired

New Delete PDU List

Copper Straight-Through

12:42 am 08/03/2024