LAB 8

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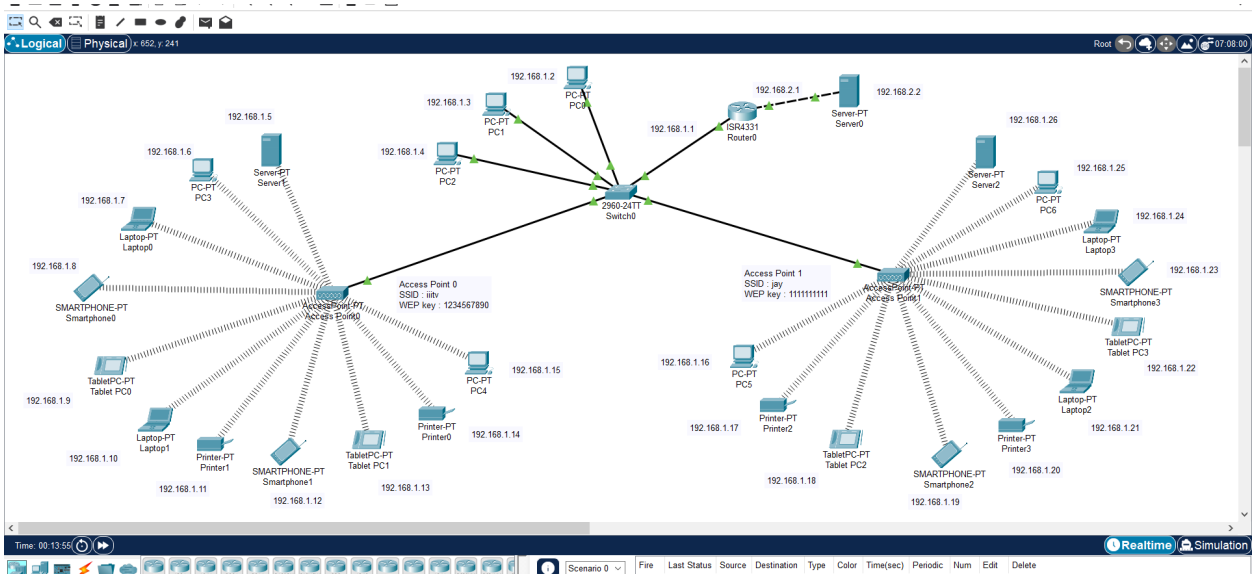
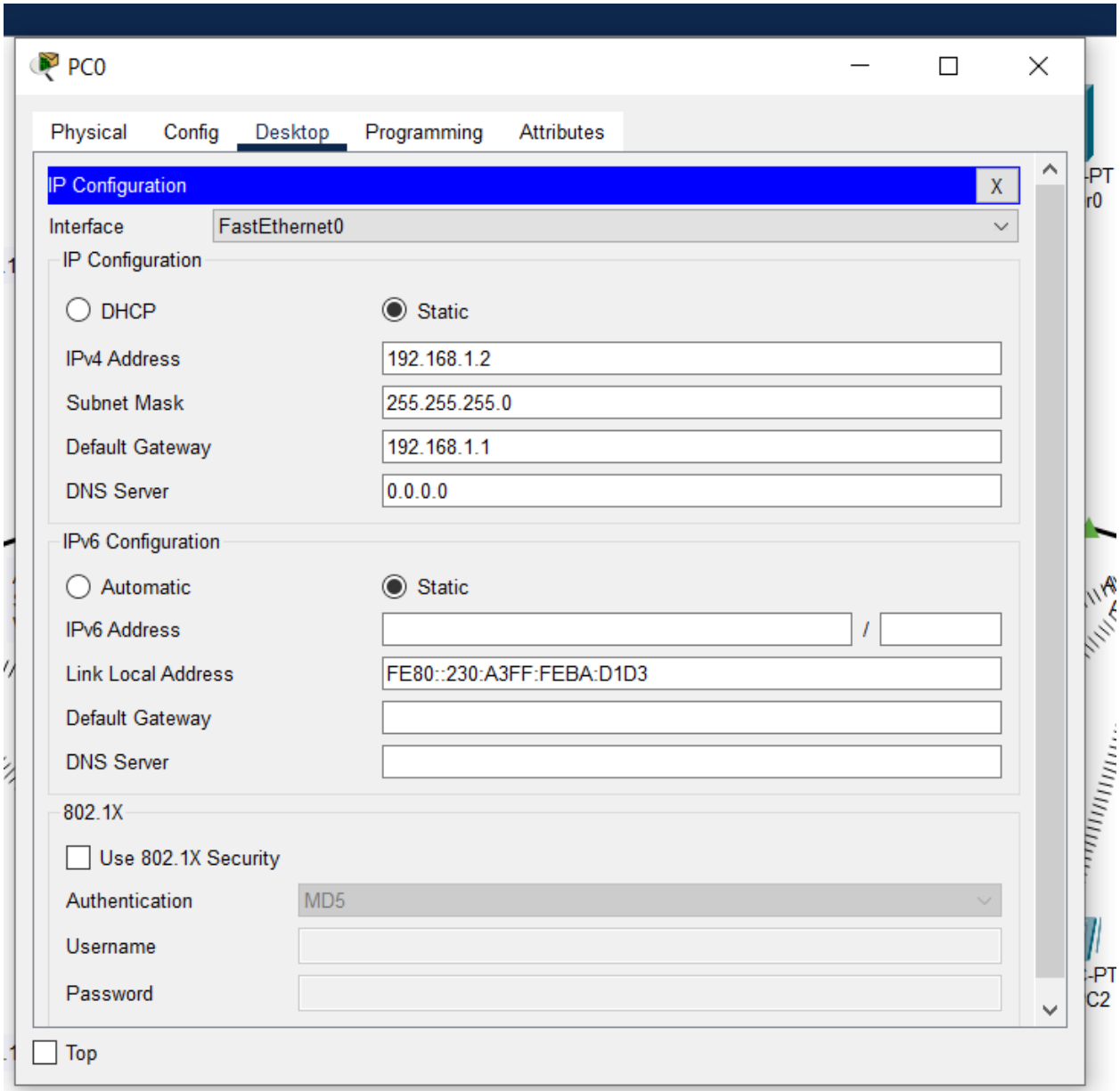
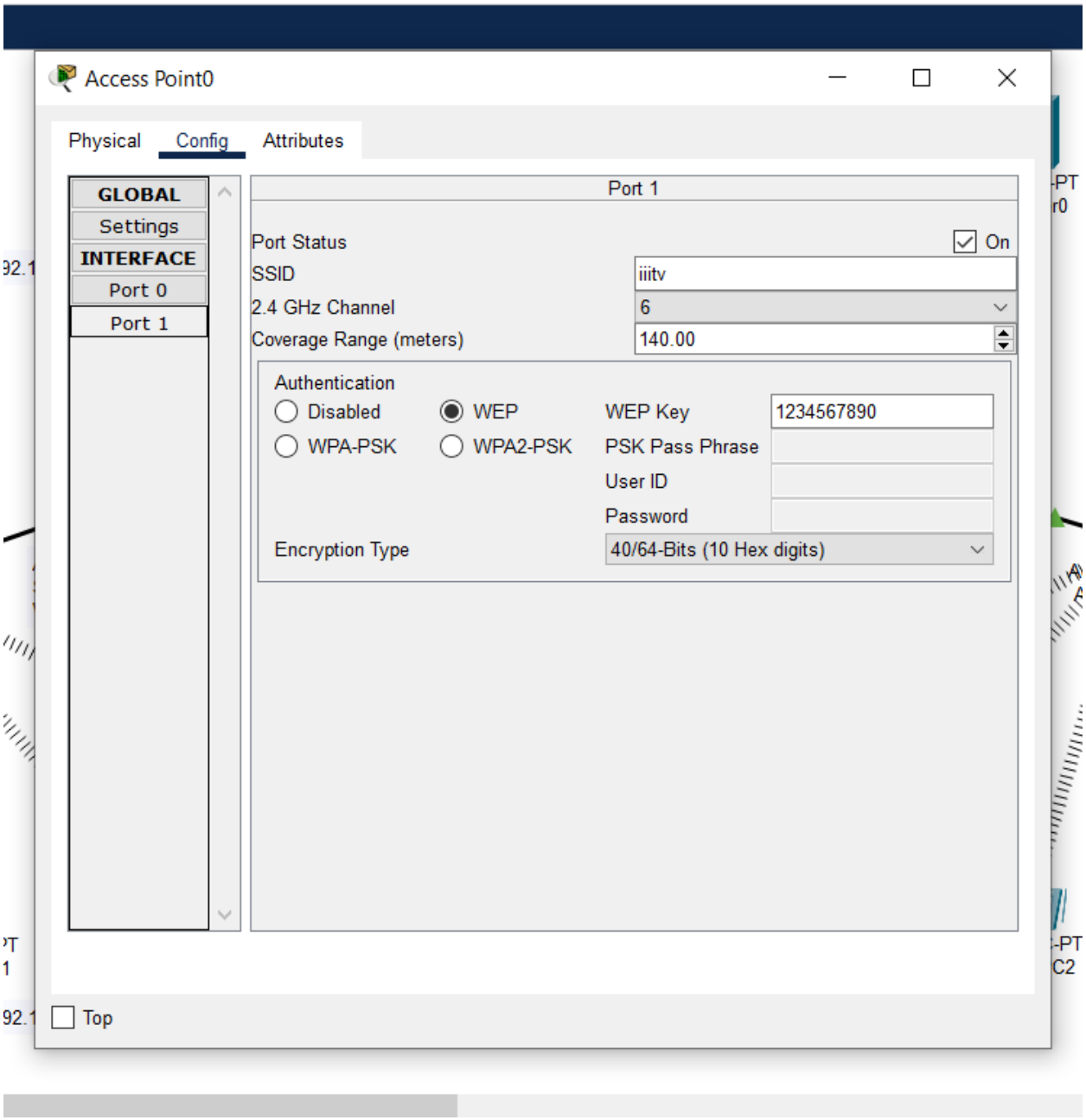
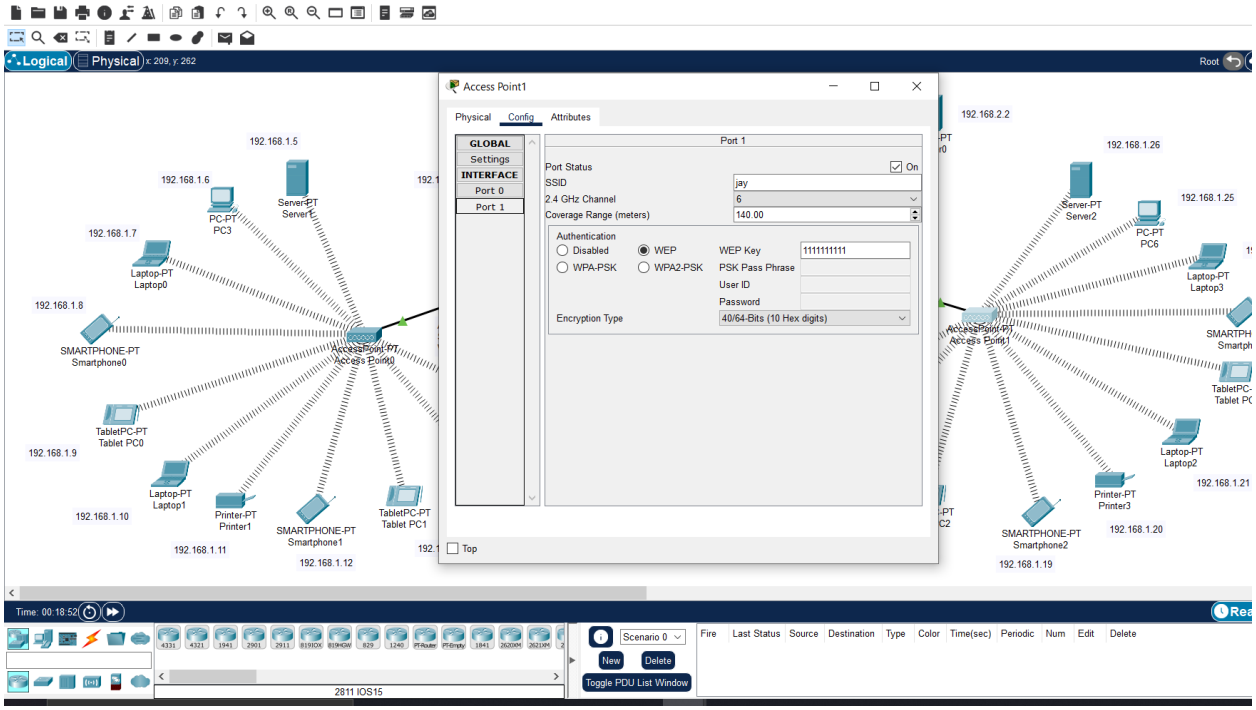
202051136

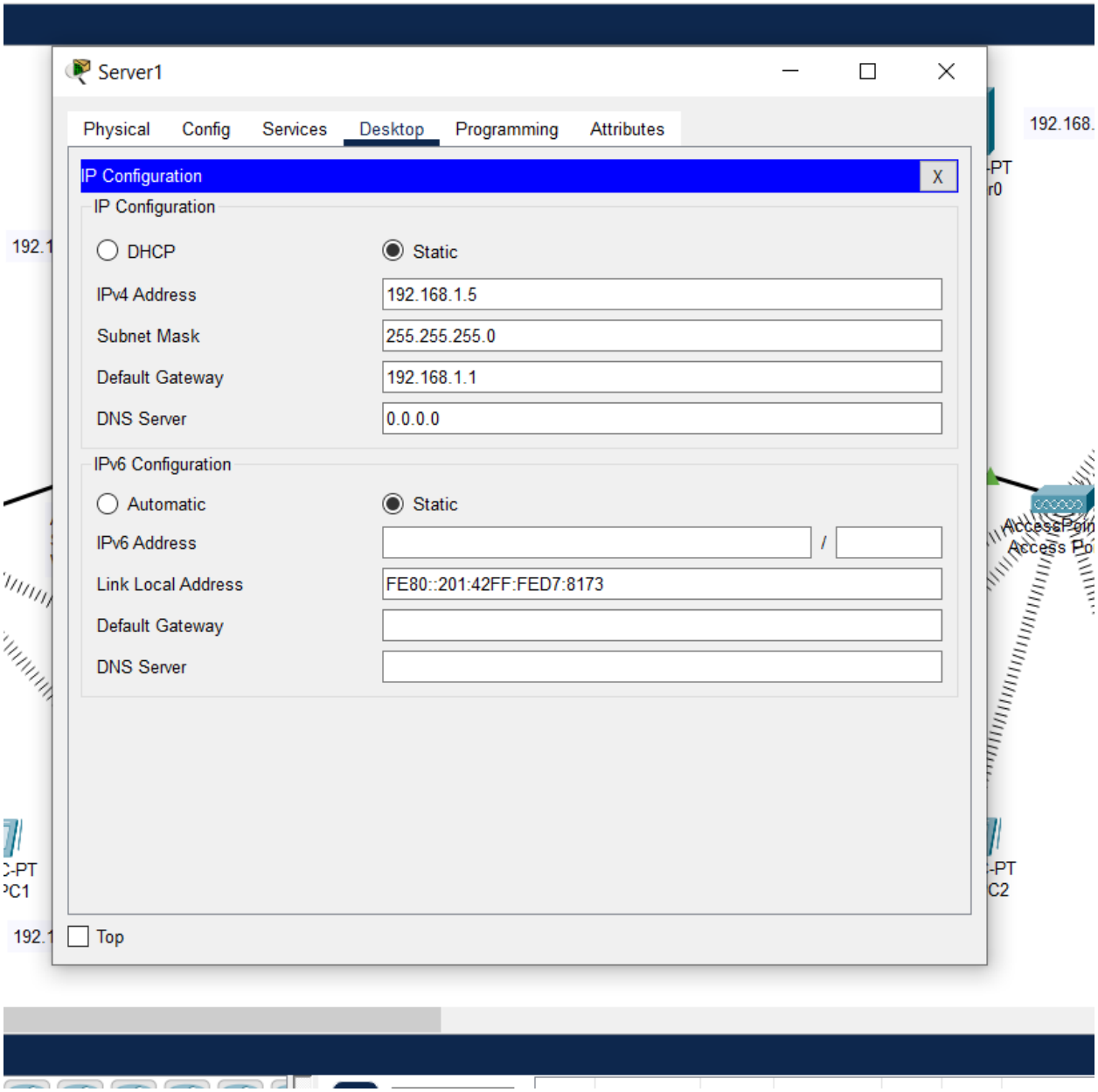
1) create a network between 3 pcs ,Switch ,Router and server .
2) And take two wireless access points and connect them to switch .
3) Connect at least 10 wireless devices (wireless desktop ,Laptop, printers, wireless mobile, tabs & etc..) to each access point
4)connect a wireless server to access point 0 & access point 1.

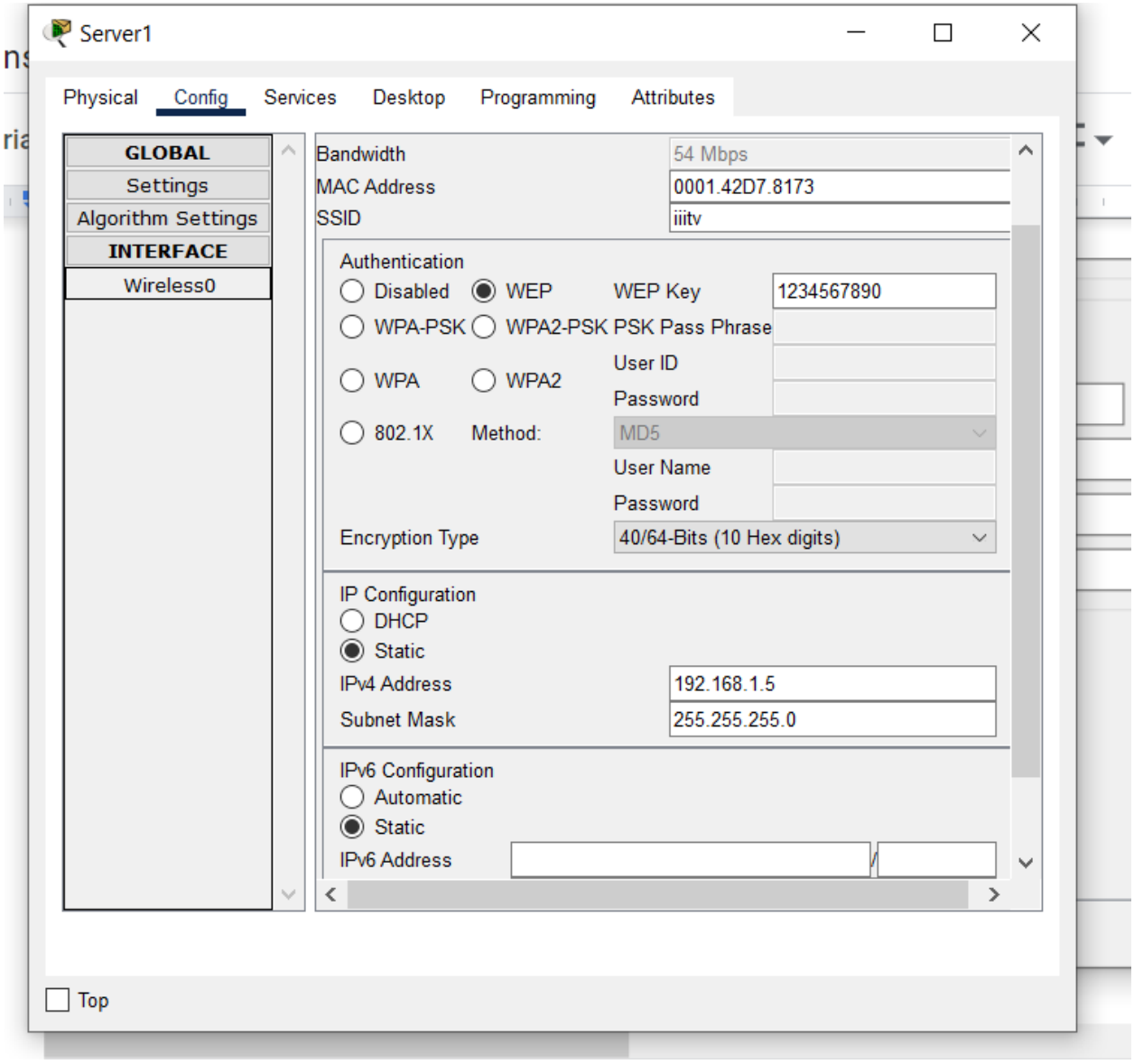

Logical
Physical
x: 652, y: 241
Root
07:08:00
192.168.1.2
PC-PT PC0
192.168.1.3
PC-PT PC1
192.168.1.4
PC-PT PC2
192.168.1.1
ISR4331 Router0
192.168.2.1
192.168.2.2
Server-PT Server0
192.168.1.5
Server-PT Server1
192.168.1.6
PC-PT PC3
192.168.1.7
Laptop-PT Laptop0
192.168.1.8
SMARTPHONE-PT Smartphone0
2960-24TT Switch0
Access Point 0
SSID : iithr
WEP key : 1234567890
Access Point-PT Access Point0
192.168.1.9
TabletPC-PT Tablet PC0
192.168.1.10
Laptop-PT Laptop1
192.168.1.11
Printer-PT Printer1
192.168.1.12
SMARTPHONE-PT Smartphone1
192.168.1.13
TabletPC-PT Tablet PC1
192.168.1.14
Printer-PT Printer0
192.168.1.15
PC-PT PC4
192.168.1.26
Server-PT Server2
192.168.1.25
PC-PT PC6
192.168.1.24
Laptop-PT Laptop3
192.168.1.23
SMARTPHONE-PT Smartphone3
Access Point 1
SSID : jay
WEP key : 1111111111
Access Point-PT Access Point1
192.168.1.16
PC-PT PC5
192.168.1.17
Printer-PT Printer2
192.168.1.18
TabletPC-PT Tablet PC2
192.168.1.19
SMARTPHONE-PT Smartphone2
192.168.1.20
Printer-PT Printer3
192.168.1.21
Laptop-PT Laptop2
192.168.1.22
TabletPC-PT Tablet PC3
Time: 00:13:55
Realtime
Simulation
Scenario 0
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

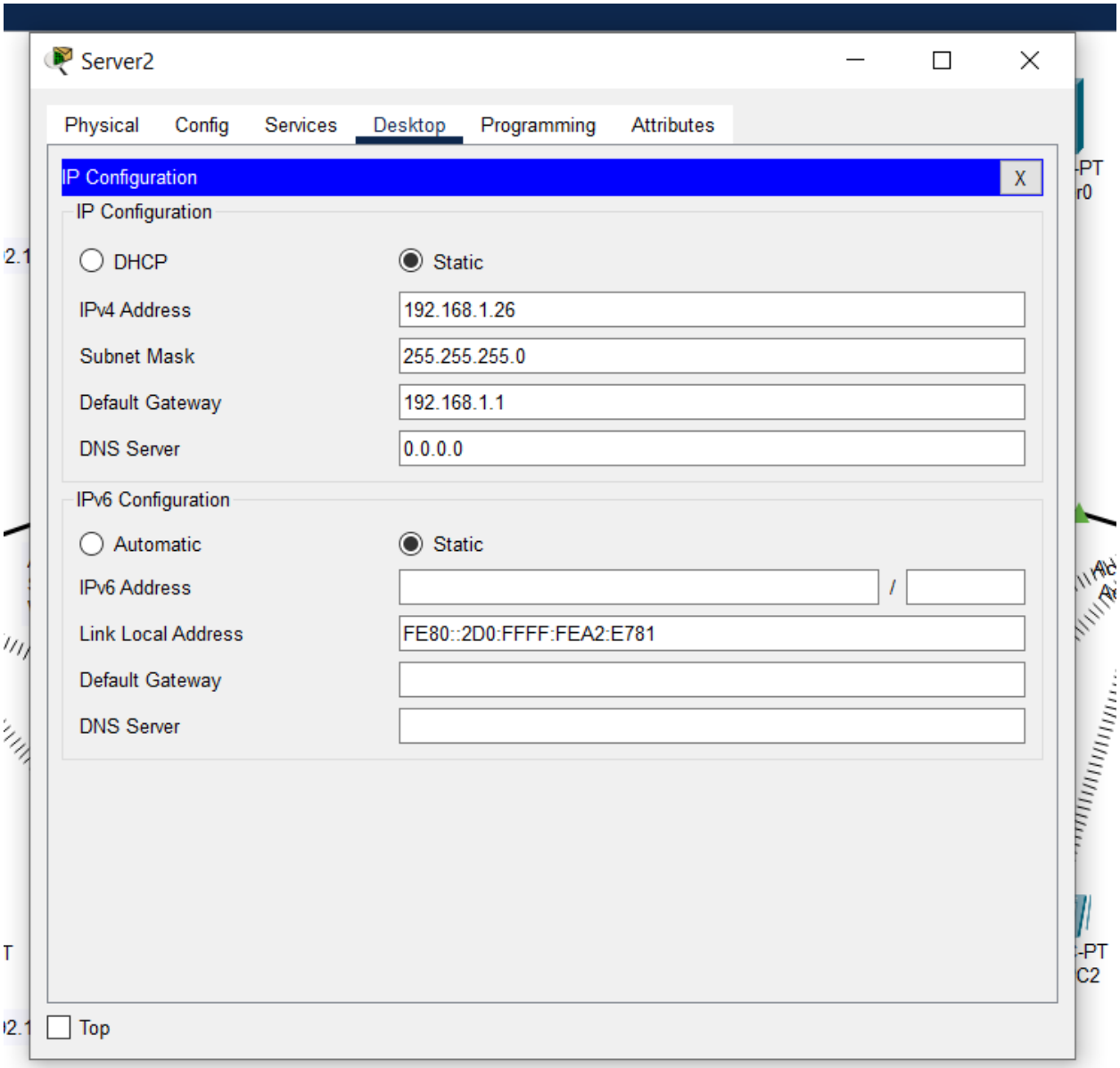

PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.2
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::230:A3FF:FEBA:D1D3
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

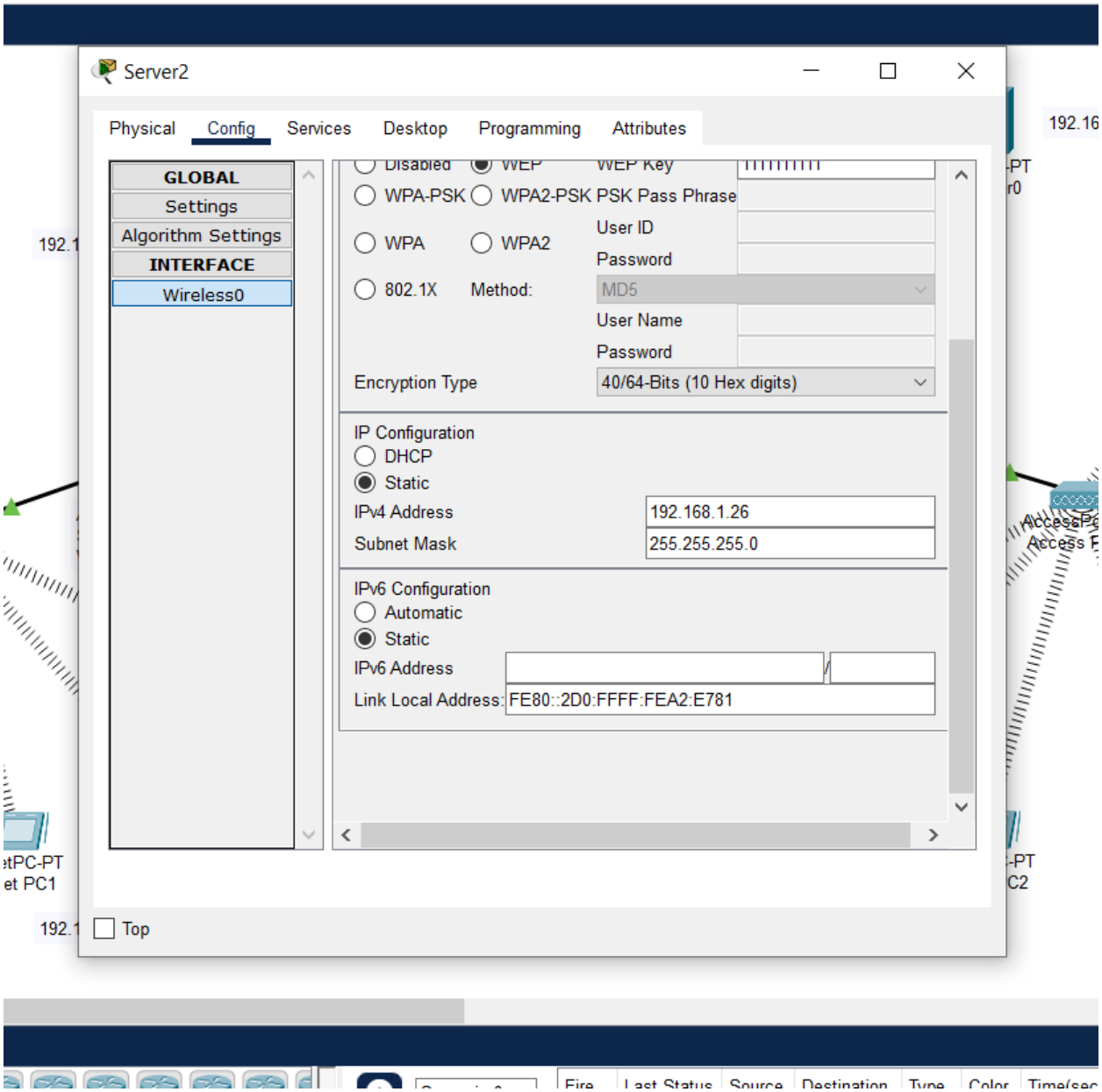

Access Point0
Physical
Config
Attributes
GLOBAL
Settings
INTERFACE
Port 0
Port 1
Port 1
Port Status
On
SSID
iiitv
2.4 GHz Channel
6
Coverage Range (meters)
140.00
Authentication
Disabled
WEP
WEP Key
1234567890
WPA-PSK
WPA2-PSK
PSK Pass Phrase
User ID
Password
Encryption Type
40/64-Bits (10 Hex digits)
Top

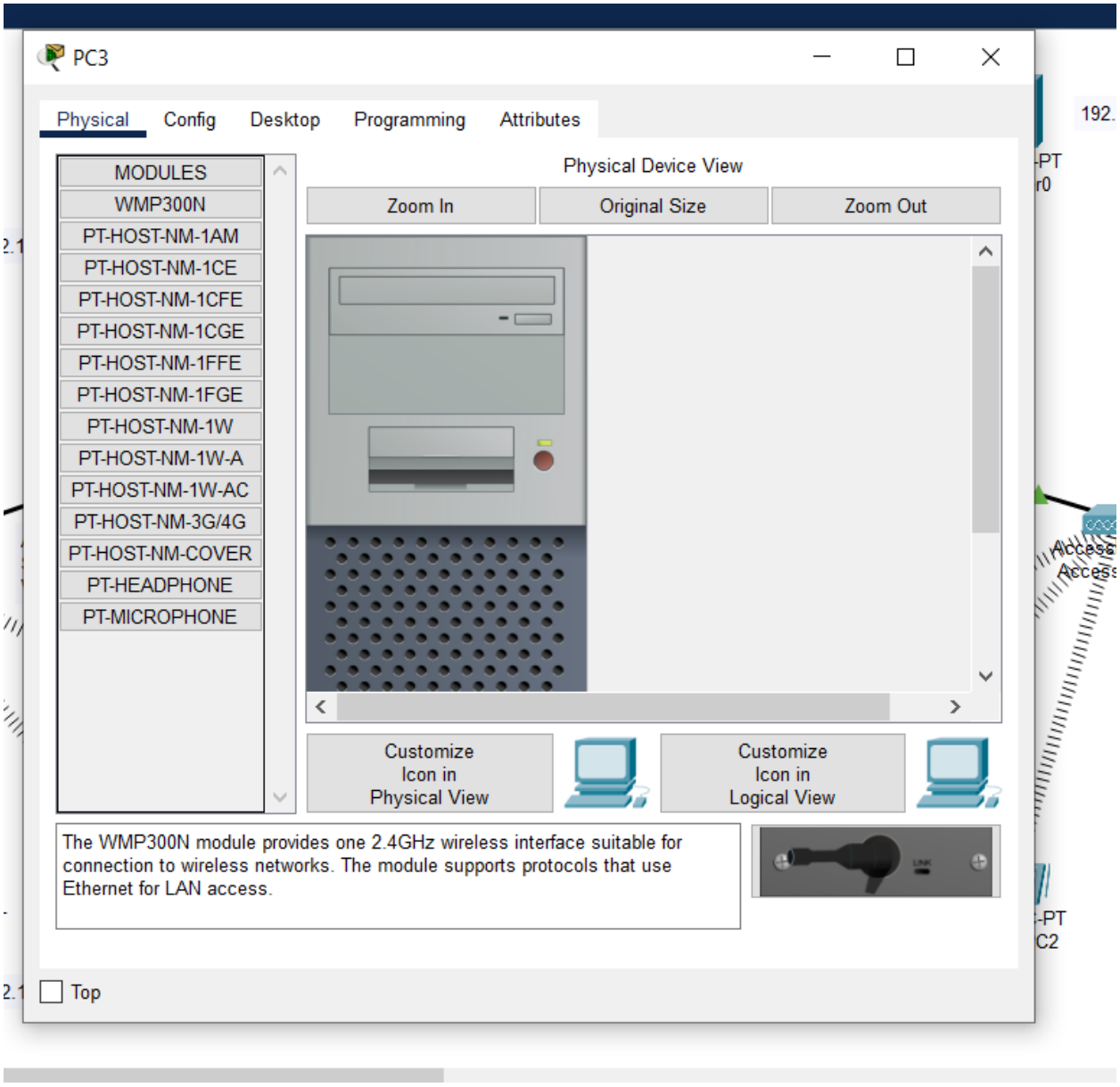

Logical
Physical
x: 209, y: 262
Root
Access Point1
Physical
Config
Attributes
GLOBAL
Settings
INTERFACE
Port 0
Port 1
Port 1
Port Status
On
SSID
jay
2.4 GHz Channel
6
Coverage Range (meters)
140.00
Authentication
Disabled
WEP
WEP Key
1111111111
WPA-PSK
WPA2-PSK
PSK Pass Phrase
User ID
Password
Encryption Type
40/64-Bits (10 Hex digits)
Top
192.168.1.5
192.168.1.6
192.168.1.7
192.168.1.8
192.168.1.9
192.168.1.10
192.168.1.11
192.168.1.12
192.168.2.2
192.168.1.26
192.168.1.25
192.168.1.21
192.168.1.20
192.168.1.19
Server-PT Server1
PC-PT PC3
Laptop-PT Laptop0
SMARTPHONE-PT Smartphone0
TabletPC-PT Tablet PC0
Laptop-PT Laptop1
Printer-PT Printer1
SMARTPHONE-PT Smartphone1
TabletPC-PT Tablet PC1
Access Point-PT Access Point0
Server-PT Server2
PC-PT PC6
Laptop-PT Laptop3
Laptop-PT Laptop2
Printer-PT Printer3
SMARTPHONE-PT Smartphone2
Time: 00:18:52
2811 IOS15
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

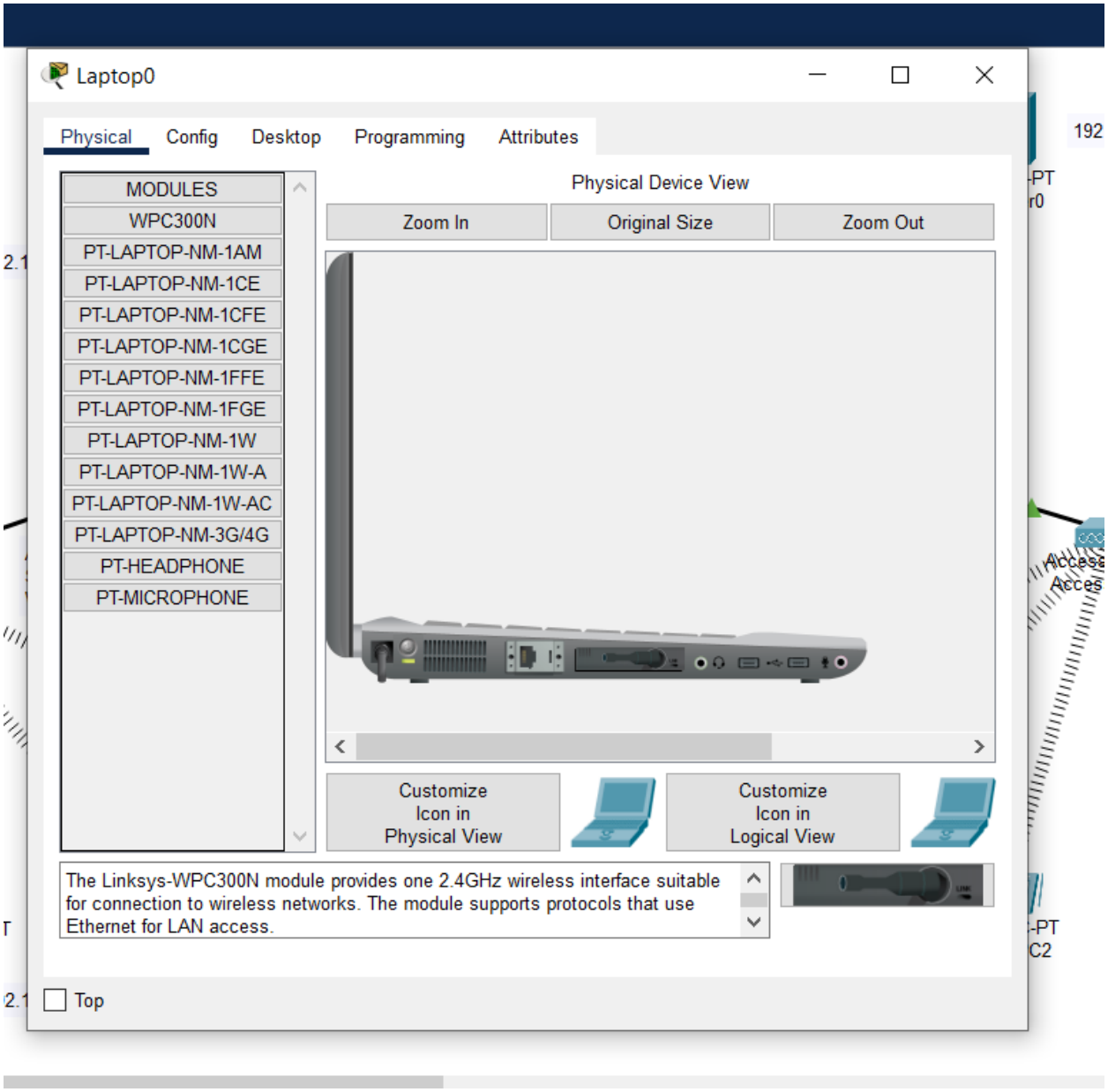

Server1
Physical
Config
Services
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.5
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::201:42FF:FED7:8173
Default Gateway
DNS Server
Top

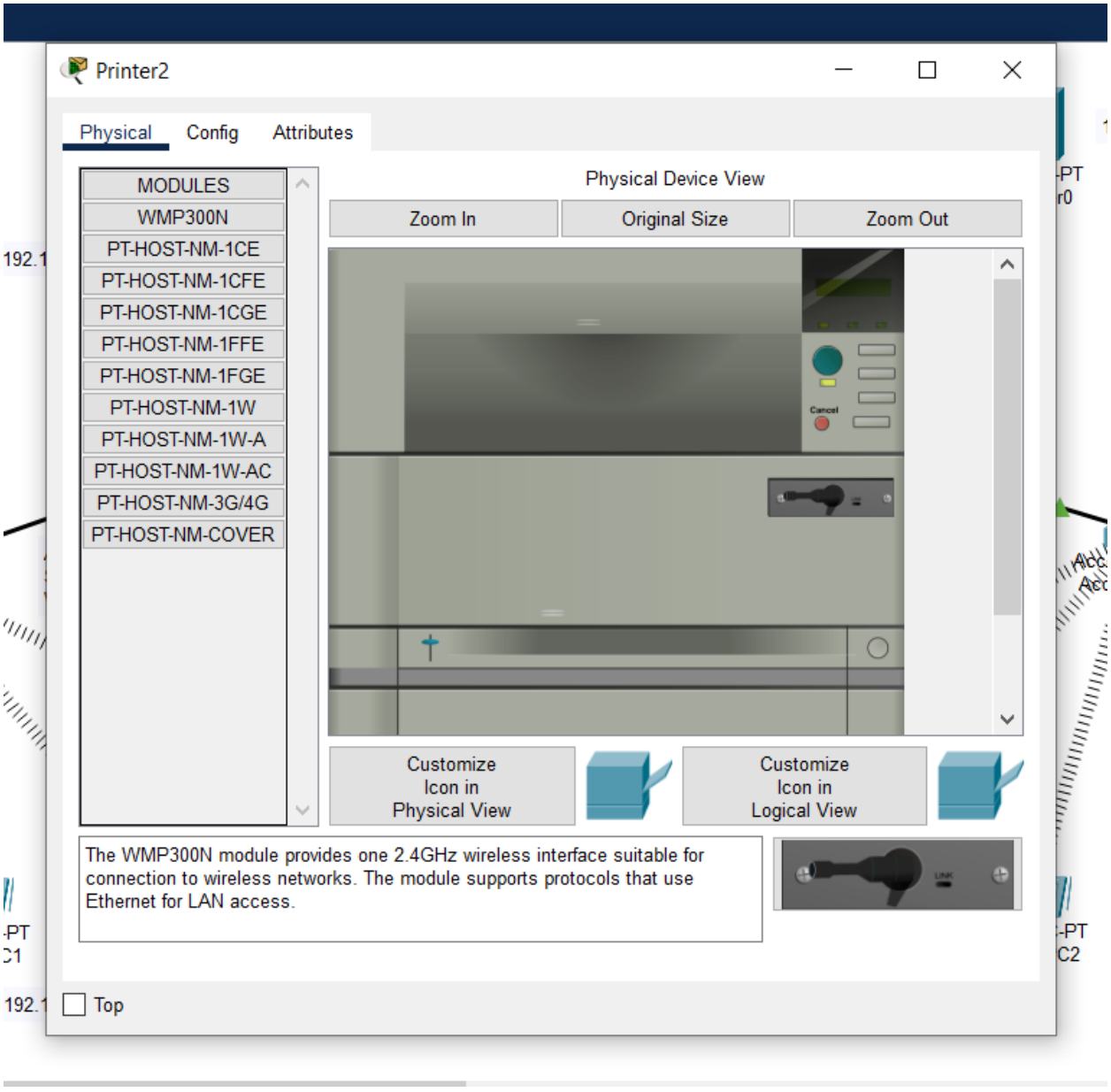

Server1
Physical
Config
Services
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
Wireless0
Bandwidth
54 Mbps
MAC Address
0001.42D7.8173
SSID
iiitv
Authentication
Disabled
WEP
WEP Key
1234567890
WPA-PSK
WPA2-PSK
PSK Pass Phrase
User ID
WPA
WPA2
Password
802.1X
Method:
MD5
User Name
Password
Encryption Type
40/64-Bits (10 Hex digits)
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.5
Subnet Mask
255.255.255.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Top

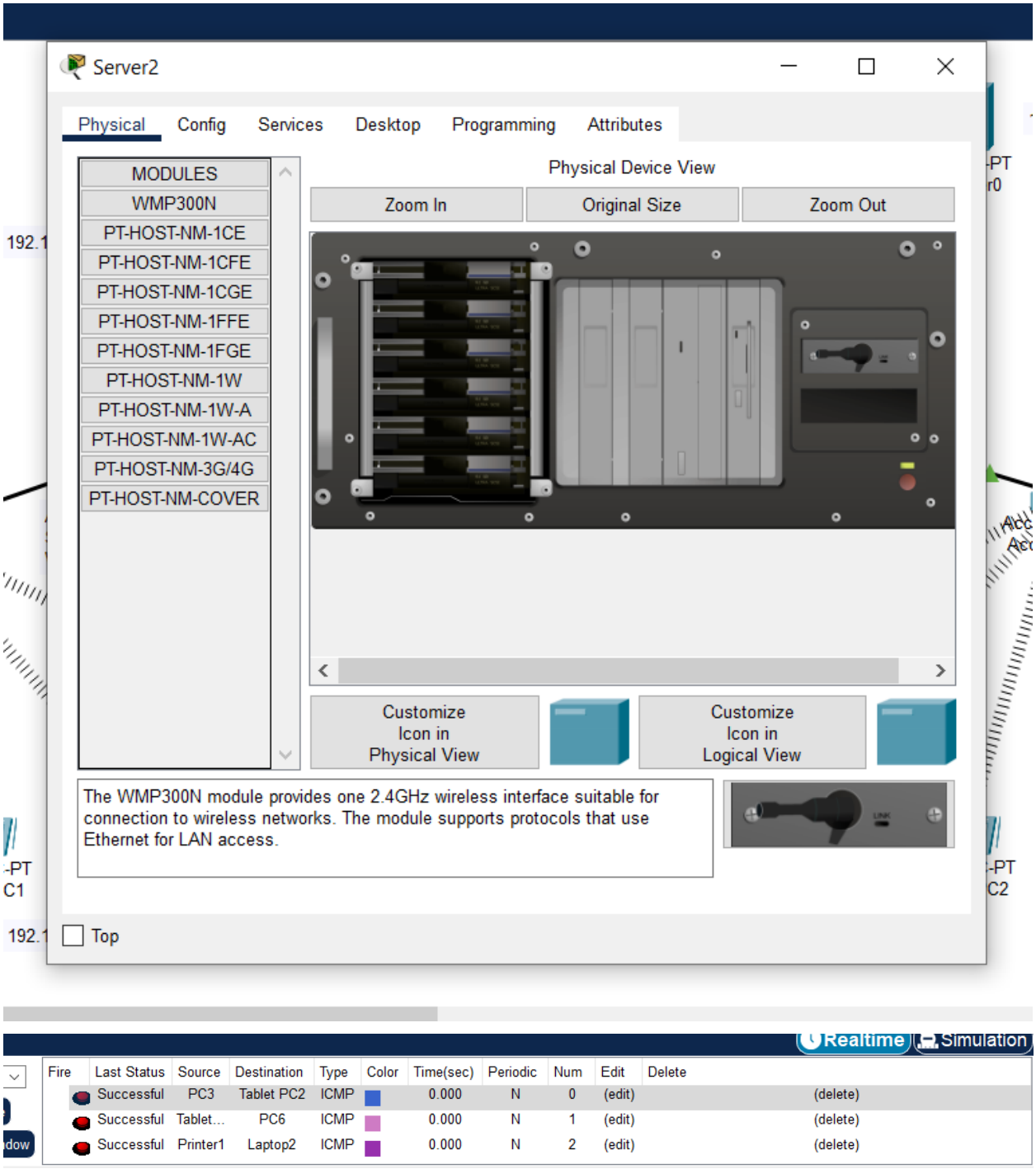

Server2
Physical
Config
Services
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.26
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::2D0:FFFF:FEA2:E781
Default Gateway
DNS Server
Top


Server2
Physical
Config
Services
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
Wireless0
Disabled
WEP
WEP Key
WPA-PSK
WPA2-PSK
PSK Pass Phrase
WPA
WPA2
User ID
Password
802.1X
Method:
MD5
User Name
Password
Encryption Type
40/64-Bits (10 Hex digits)
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.26
Subnet Mask
255.255.255.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address:
FE80::2D0:FFFF:FEA2:E781
Top

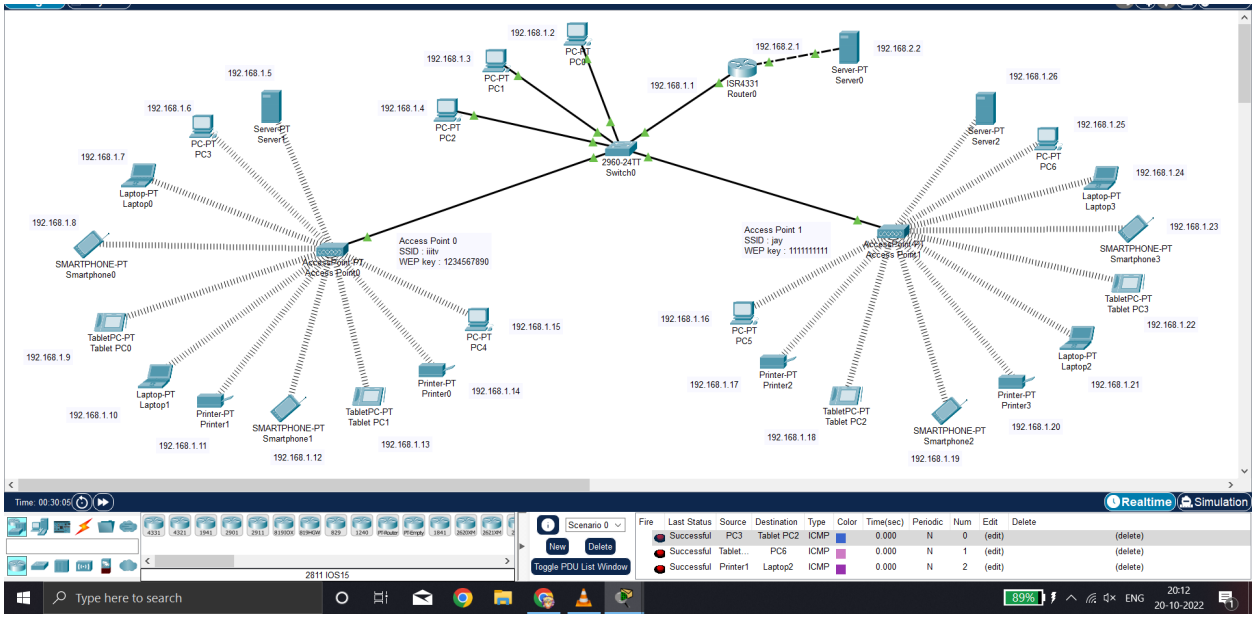

PC3
Physical
Config
Desktop
Programming
Attributes
MODULES
WMP300N
PT-HOST-NM-1AM
PT-HOST-NM-1CE
PT-HOST-NM-1CFE
PT-HOST-NM-1CGE
PT-HOST-NM-1FFE
PT-HOST-NM-1FGE
PT-HOST-NM-1W
PT-HOST-NM-1W-A
PT-HOST-NM-1W-AC
PT-HOST-NM-3G/4G
PT-HOST-NM-COVER
PT-HEADPHONE
PT-MICROPHONE
Physical Device View
Zoom In
Original Size
Zoom Out
Customize Icon in Physical View
Customize Icon in Logical View
The WMP300N module provides one 2.4GHz wireless interface suitable for connection to wireless networks. The module supports protocols that use Ethernet for LAN access.
Top

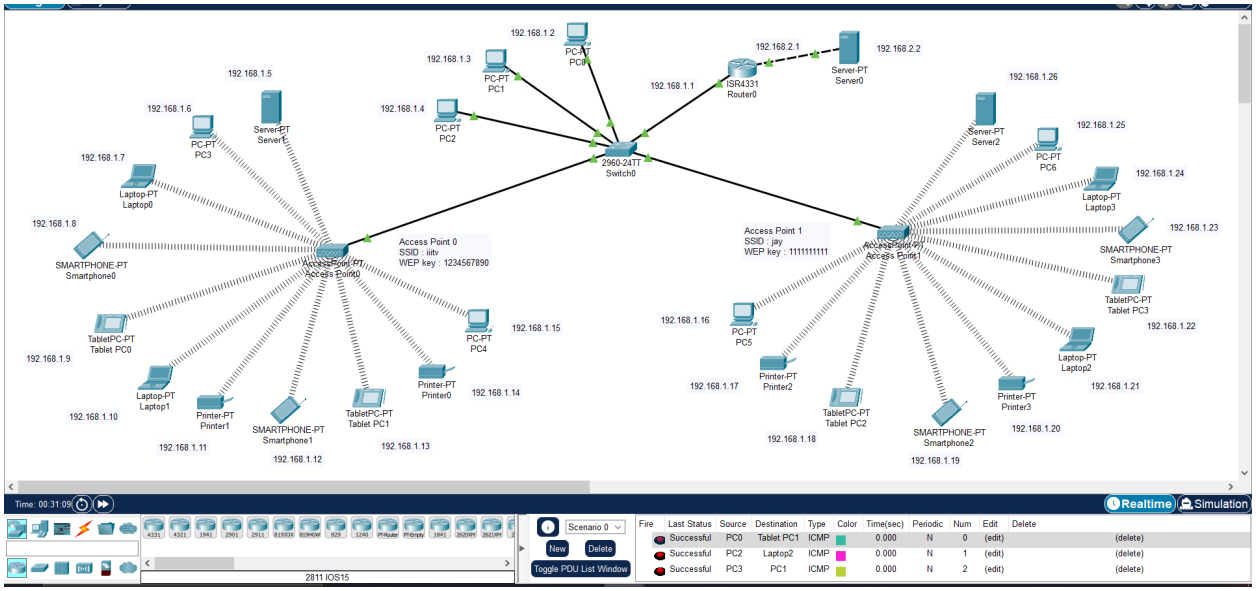

Laptop0
Physical
Config
Desktop
Programming
Attributes
MODULES
WPC300N
PT-LAPTOP-NM-1AM
PT-LAPTOP-NM-1CE
PT-LAPTOP-NM-1CFE
PT-LAPTOP-NM-1CGE
PT-LAPTOP-NM-1FFE
PT-LAPTOP-NM-1FGE
PT-LAPTOP-NM-1W
PT-LAPTOP-NM-1W-A
PT-LAPTOP-NM-1W-AC
PT-LAPTOP-NM-3G/4G
PT-HEADPHONE
PT-MICROPHONE
Physical Device View
Zoom In
Original Size
Zoom 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

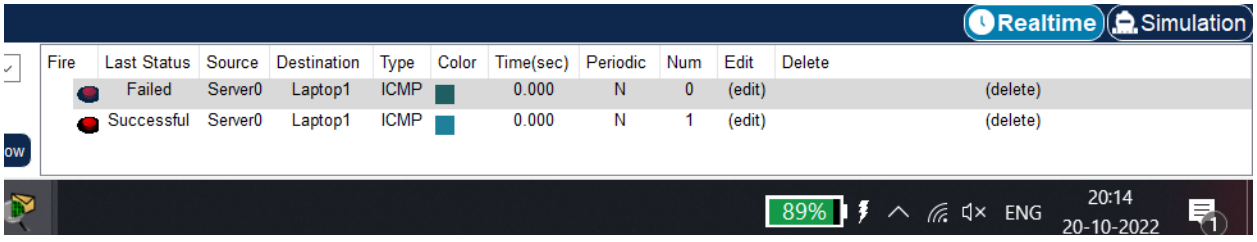

Printer2
Physical
Config
Attributes
MODULES
WMP300N
PT-HOST-NM-1CE
PT-HOST-NM-1CFE
PT-HOST-NM-1CGE
PT-HOST-NM-1FFE
PT-HOST-NM-1FGE
PT-HOST-NM-1W
PT-HOST-NM-1W-A
PT-HOST-NM-1W-AC
PT-HOST-NM-3G/4G
PT-HOST-NM-COVER
Physical Device View
Zoom In
Original Size
Zoom Out
Cancel
Customize Icon in Physical View
Customize Icon in Logical View
The WMP300N module provides one 2.4GHz wireless interface suitable for connection to wireless networks. The module supports protocols that use Ethernet for LAN access.
Top



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC3	Tablet PC2	ICMP		0.000	N	0	(edit)	(delete)
	Successful	Tablet...	PC6	ICMP		0.000	N	1	(edit)	(delete)
	Successful	Printer1	Laptop2	ICMP		0.000	N	2	(edit)	(delete)







The first one shows failed, but after making the route it shows success