Name: Dodda Sumanth Reg.No:18BCI0067

## Lab Assignment – 4

<u>Part A: Configuring Wireless LAN Access</u> <u>Part B: AAA Network Configuration</u>

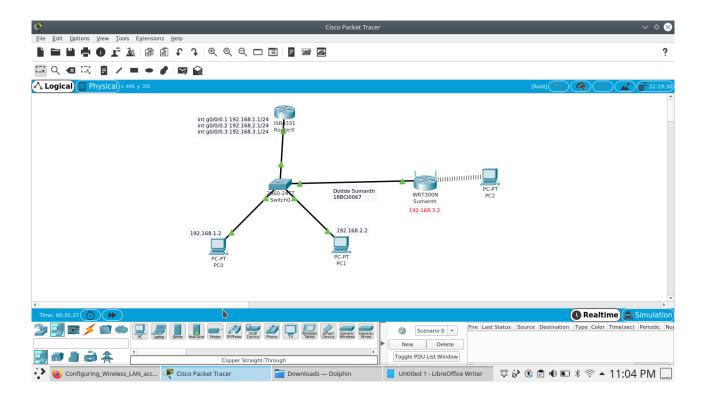
## **Part A: Configuring Wireless LAN Access**

## **Objectives:**

Part 1: Configure a Wireless Router

Part 2: Configure a Wireless Client

Part 3: Verify Connectivity



#### **Address Table:**

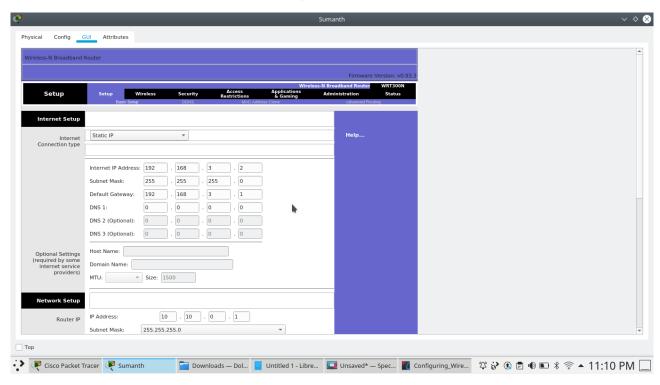
Device	Interface	IP Address	Subnet Mask	<b>Default Gateway</b>
Router 1	G0/0/0.1	192.168.1.1	255.255.255.0	No Gateway
	G0/0/0.2	192.168.2.1	255.255.255.0	No Gateway
	G0/0/0.3	192.168.3.1	255.255.255.0	No Gateway
PC1	FastEthernet0	192.168.1.2	255.255.255.0	192.168.1.1
PC2	FastEthernet0	192.168.2.2	255.255.255.0	192.168.2.1

PC3	Wireless0	DHCP(10.10.0.101)	DHCP	DHCP(10.10.0.1)
WRS	Internet0	192.168.3.2	255.255.255.0	192.168.3.1

## Part 1:Configure a Wireless Router

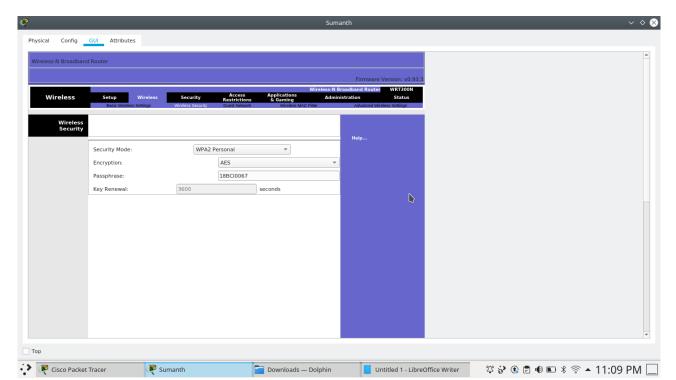
#### Internet and subnet configuration

*IP address*: **192.168.3.2** *Gateway*: **192.168.3.1** *Subnet*: **255.255.255.0** 

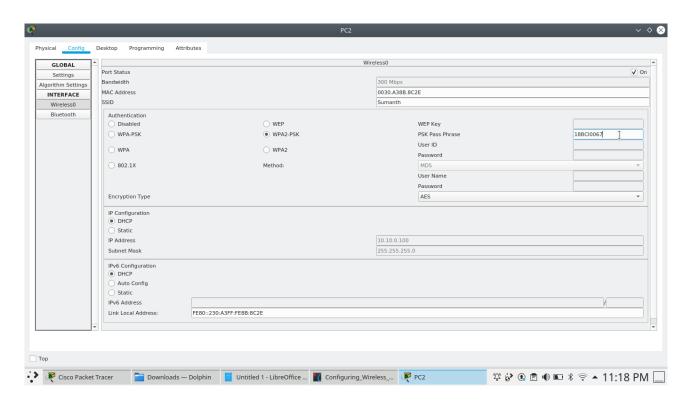


#### SSID and PassPhrase Configuration:

SSID: Sumanth PassPhrase: 18BCI0067

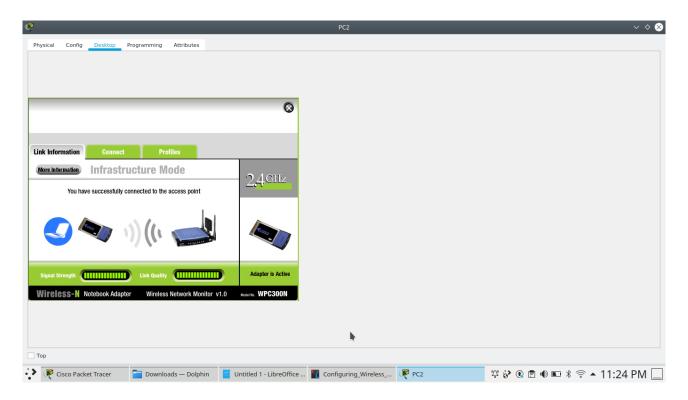


# **Part 2:** Configure a Wireless Client Connecting PC to WRS using: SSID:**Sumanth**



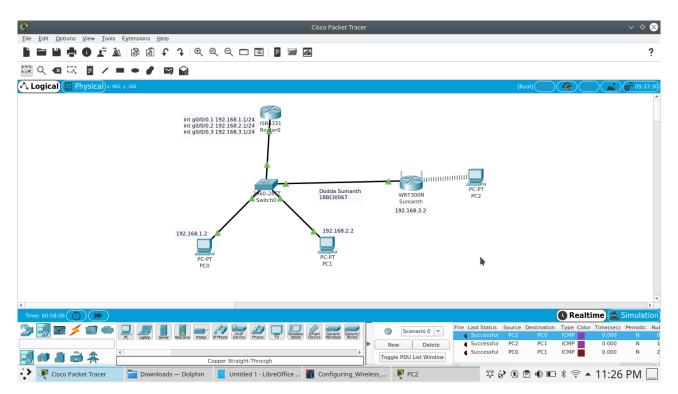
PassPhrase:18BCI0067

### Checking Signal Strength:



## **Part 3:** *Verify Connectivity*

All the PC's in the network are inter connected:



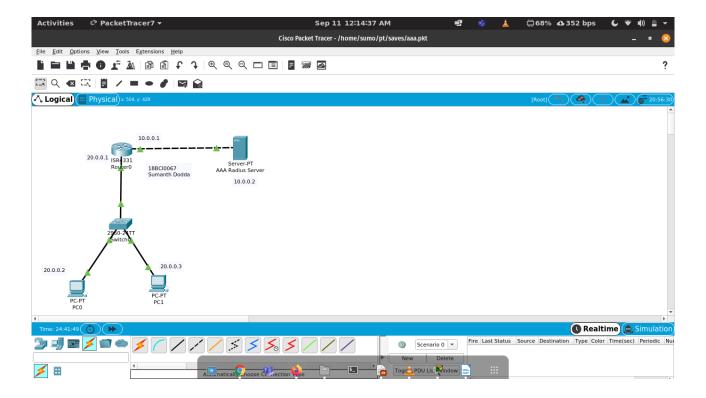
# **Part B: AAA Network Configuration**

## **Objectives:**

Part 1: Configure a AAA Server

Part 2: Configure Router

Part 3: Telnet it

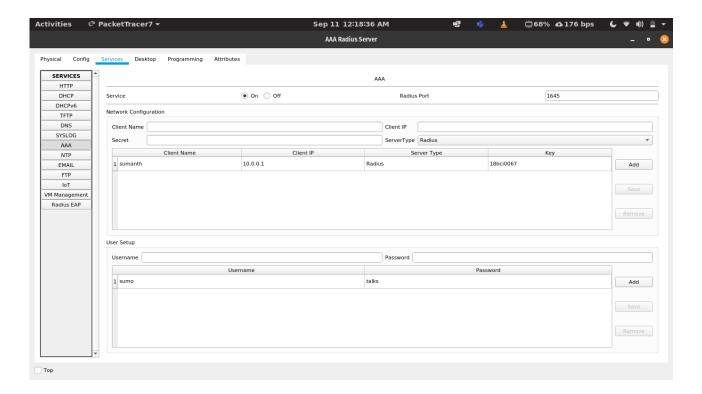


#### **Address Table:**

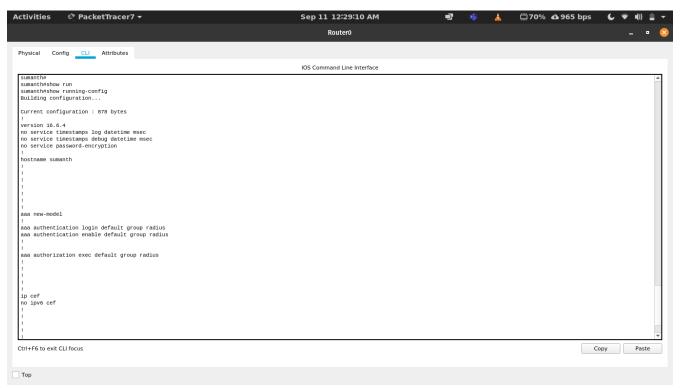
Device	Interface	IP Address	Subnet Mask	<b>Default Gateway</b>
Router 1	G0/0/0	10.0.0.1	255.255.255.0	No Gateway
	G0/0/1	20.0.0.1	255.255.255.0	No Gateway
PC1	FastEthernet0	20.0.0.2	255.255.255.0	20.0.0.1
PC2	FastEthernet0	20.0.0.3	255.255.255.0	20.0.0.1
AAA Server	FastEthernet0	10.0.0.2	255.255.255.0	10.0.0.1

#### Part 1:Configure a AAA Server:

Client IP: 10.0.0.1 Secret Key:18bci0067
Username: sumo Password:talks



#### Part 2: Configure Router



```
Sep 11 12:29:23 AM
                                                                                                                                                  🗗 🦸 🛕 🚍 70% 🐼 435 bps 🕻 💎 🐠 🖺
                                                                                                         Router0
 Physical Config CLI Attributes
                                                                                                  IOS Command Line Interface
 |
interface GigabitEthernet0/0/0
ip address 10.0.0.1 255.0.0.0
duplex auto
speed auto
   !
interface GigabitEthernet0/0/1
ip address 20.0.0.1 255.0.0.0
duplex auto
speed auto
  !
interface GigabitEthernet0/0/2
no ip address
duplex auto
speed auto
shutdown
   !
interface Vlan1
no ip address
shutdown
  ip flow-export version 9
   !
radius-server host 10.0.0.2 auth-port 1645 key 18bci0067
  line aux 0
  !
line vty 0 4
 Ctrl+F6 to exit CLI focus
                                                                                                                                                                                                 Copy Paste
Тор
```

Part 3: Telnet It!:

