

To build simple network using packet tracer –

Installation using terminal -

```
sudo dpkg -i CiscoPacketTracer_811_Ubuntu_64bit.deb
```

```
sudo apt install -f
```

Launch using -

```
packettracer
```

All devices are at bottom...

From 'End devices' select 'PC(right)'

From 'Network devices' select 'wireless devices'(bottom) then select 'WRT300N'(right)

From 'Network devices' select 'WAN emulation'(bottom) then select 'Cable modem'(right)

From 'Network devices' select 'WAN emulation'(bottom) then select 'Cloud-PT'(right)

From 'End devices' select 'Server(right)'

From 'End devices' select 'Laptop(right)'

NOW,

Now wires are available in devices(at bottom)> connections

PC(fastethernet0) —Wireless router(ethernet 1) {copper straight through}

Wireless router(internet) —cable modem(port 1) {copper straight through}

Cable modem(port 0) —Cloud(coaxial7) {coaxial cable}

Cloud(Ethernet6) —Server(fastethernet0){copper straight through}

In wireless Router,

Go in GUI,

Go in setup, make -> DHCP server -enabled, Static DNS 1 - 208.67.220.220

Go in wireless, change -> Network name(SSID) -Home

In laptop,

In physical view power off laptop, remove Ethernet copper module and replace with Wireless WPC300N module and power on laptop.

In Desktop, select PC wireless, select connect and connect with 'Home'.

Cloud–

DHCP settings

Click On to turn the DHCP service on

Pool name: DHCPpool

Default Gateway: 208.67.220.220

DNS Server: 208.67.220.220

Starting IP Address: 208.67.220.1

Subnet Mask 255.255.255.0

Maximum number of Users: 50

DNS server

Click On to turn the DNS service on

Name: Cisco.com

Type: A Record

Address: 208.67.220.220