

Configure in laptop via packet tracer - Setup - DHCP : we assign address through router automatically

```
Laptop0
Physical Config Desktop Programming Attributes

Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection: (default port)

Link-local IPv6 Address.....: FE80::260:2FFF:FE5D:440
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0

Bluetooth Connection:

Link-local IPv6 Address.....: ::
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0
```

Switch - is running MAC address so we do not need to assign anything there.

>> go to router >> click CLI >> Press "en" (enable), (it will change and login in to #)

```
Router>en
Router>en
Router>enable
Router#
```

>> show commands which are : **show ip interface brief**

```
Router#show ip interface br
Router#show ip interface brief
```

>> now configure the fastEthernet via commands >>**conf ter**

```
Router#configure ter
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
```

>> configure fast ethernet >> **int fa (interface fastethernet)**

>> type > ip address - subnet mask (ip address 192.168.0.1 255.255.255.0)

(we can not check ip address while in configuration mode) but if we want to check
then type this command >> do sh ip int br

```

Router#en
Router#show ip interface brief
Interface IP-Address OK? Method Status
Protocol
FastEthernet0/0 unassigned YES unset
administratively down down
FastEthernet1/0 unassigned YES unset
administratively down down
Serial2/0 unassigned YES unset
administratively down down
Serial3/0 unassigned YES unset
administratively down down
FastEthernet4/0 unassigned YES unset
administratively down down
FastEthernet5/0 unassigned YES unset
administratively down down
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#in
Router(config)#interface fa
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip address
Router(config-if)#ip address 192.168.0.1 255.255.255.0
Router(config-if)#sh ip int br
^
* Invalid input detected at '^' marker.

Router(config-if)#di sh ip int br
^
* Invalid input detected at '^' marker.

Router(config-if)#do sh ip int br
Interface IP-Address OK? Method Status
Protocol
FastEthernet0/0 192.168.0.1 YES manual
administratively down down
FastEthernet1/0 unassigned YES unset
administratively down down
Serial2/0 unassigned YES unset
administratively down down
Serial3/0 unassigned YES unset
administratively down down
FastEthernet4/0 unassigned YES unset
administratively down down
FastEthernet5/0 unassigned YES unset
administratively down down
Router(config-if)#

```

>> to bring down port type " shutdown " & >> to bring up port type "no shutdown"

>> type exit " exit and "wr" (write).

```
Router>en
Router#coo
Router#conf terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#service dhcp
Router(config)#ip dhcp pool main
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#def
Router(dhcp-config)#default-router 192.168.0.1
Router(dhcp-config)#no n
Router(dhcp-config)#no network 192.168.1.0 255.255.255.0
Router(dhcp-config)#network 192.168.0.0 255.255.255.0
Router(dhcp-config)#dns
Router(dhcp-config)#dns-server 192.168.0.1
Router(dhcp-config)#exit
Router(config)#ip dhcp ex
Router(config)#ip dhcp excluded-address 192.168.0.1
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#wr
Building configuration...
[OK]
Router#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up
```

>> Now setup the connection with cable and connect each other.

//phonian crespros phone " 103 netowork monitoring attak tool that any pen tester and hacker want to use it