



In this network Lab we are going to setting up basic IPV4 addressing lab

In this Network it it always a good thing to name your devices in the cisco CLI

1. We will be first naming the router “R1”and adding the ip addresses to the interfaces:

```
#Hostname R1
#int g0/0
#ip address 15.255.255.254 255.0.0.0
#no shut
#int g0/1
#ip address 182.98.255.254 255.255.0.0
#no shut
#int g0/2
#ip address 201.191.20.254 255.255.255.0
#no shut
```

We can then see these interfaces with “Do sh ip int br”

```
R1(config-if)#do sh ip int br
Interface      IP-Address      OK? Method Status      Protocol
GigabitEthernet0/0  15.255.255.254  YES manual  up          up
GigabitEthernet0/1  182.98.255.254  YES manual  up          up
GigabitEthernet0/2  201.191.20.254  YES manual  up          up
```

2. Now its important to configure each of the pcs ip address manually through the GUI in packet tracer (we will do DHCP in another lab this just showcases the basics of ipv4 routing) Go into the pcs -> config -> interface -> set ipv4 address manually (IE 15.0.0.1) for pc 1. It is also good to mention in this lab we have set the default gateway manually to the routers ip address through this same method again we will get into dhcp later)

Then do save the running configuration into the saved config do:

```
#do wr
```

Lastly the pcs should be able to successfully ping each other