

# Steps to Router Configuration

1. Enter global configuration mode.

```
Router> enable
Router# config t
```

2. Configure hostname, enable password and enable secret.

```
Router(config)#hostname GAD
GAD(config)#enable secret class
GAD(config)#enable password cisco
```

3. Configure the interfaces.

```
GAD(config)#int fa0/0
GAD (config-if)#ip address 192.168.14.1 255.255.255.0
GAD(config-if)#no shutdown
GAD(config)#int s 0/0/0
GAD(config-if)#ip address 192.168.15.1 255.255.255.0
GAD(config-if)#clock rate 64000
GAD(config-if)#no shutdown
```

4. Configure the routing protocol and table.

```
GAD(config)#router rip
GAD(config-router)#network 192.168.14.0
GAD(config-router)#network 192.168.15.0
GAD(config-router)#exit
```

5. Configure the line console and line vty 0 4 (the telnet login).

```
Router(config)#line console 0
Router(config-line)#login
Router(config-line)#password cisco
Router(config-line)#exit
Router(config)#
Router(config)#line vty 0 4
Router(config-line)#login
Router(config-line)#password Dhaka
Router(config-line)#exit
Router(config)#
```

6. Save the running configuration to NVRAM.

## Steps to Router Configuration

```
GAD#copy run start
```

7. configuring static route

```
GAD(config)#ip route 192.168.16.0 255.255.255.0  
192.168.15.2
```

8. interface description

```
GAD(config)# interface e 0
```

```
GAD(config-if)# description BRAC University lan building
```

9. message of the day

```
GAD(config)# banner motd # THIS IS A RESTRICTER ROUTER #
```