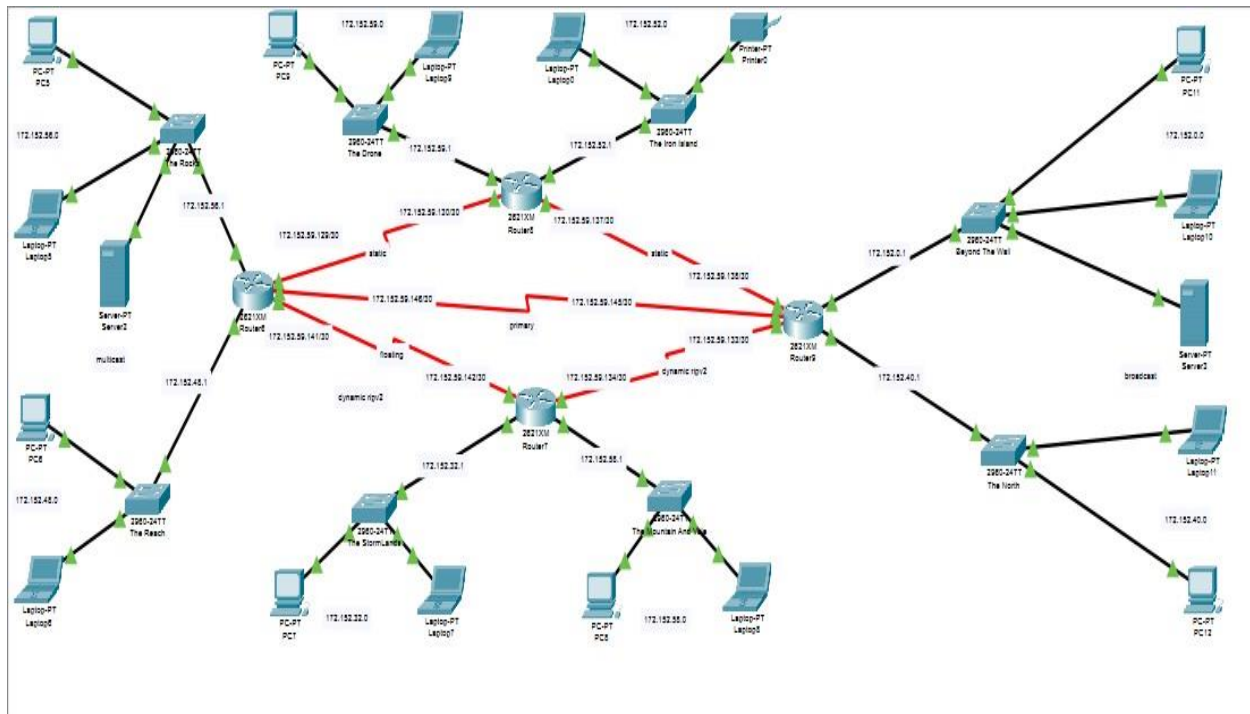


## Topology Diagram:



**Network Address Table:**

#	Host Name	Host	IP	Given IP	Host bit	Net bit	IP address
<b>A</b>	<b>The White Walkers</b>	5000	5002	8192	13	19	172.152.0.0/19
<b>B</b>	<b>The Stormlands</b>	2000	2002	2048	11	21	172.152.32.0/21
<b>C</b>	<b>The North</b>	1024	1026	2048	11	21	172.152.40.0/21
<b>D</b>	<b>The Reach</b>	1000	1002	1024	10	22	172.152.48.0/22
<b>E</b>	<b>The Iron Island</b>	800	802	1024	10	22	172.152.52.0/22
<b>F</b>	<b>The Rocks</b>	480	482	512	9	23	172.152.56.0/23
<b>G</b>	<b>The Mountain Vale</b>	250	252	256	8	24	172.152.58.0/24
<b>H</b>	<b>The Drone</b>	124	126	128	7	25	172.152.59.0/25
<b>I</b>	<b>Router 6 – Router 8</b>	2	4	4	2	30	172.152.59.128/30
<b>J</b>	<b>Router 9 – Router 7</b>	2	4	4	2	30	172.152.59.132/30
<b>K</b>	<b>Router 8 – Router 9</b>	2	4	4	2	30	172.152.59.136/30
<b>L</b>	<b>Router 7 – Router 6</b>	2	4	4	2	30	172.152.59.140/30
<b>M</b>	<b>Router 6 – Router 9</b>	2	4	4	2	30	172.152.59.144/30

**IP Address Table:**

Network	Port	IP address	Subnet Mask	Default Gateway
	Fa0/0	172.152.56.1	255.255.254.0	N/A

<b>R6</b>	Fa0/1	172.152.48.1	255.255.252.0	
	S1/0	172.152.59.129	255.255.255.252	
	S1/1	172.152.59.141	255.255.255.252	
	S1/2	172.152.59.146	255.255.255.252	
<b>R7</b>	Fa0/0	172.152.32.1	255.255.248.0	N/A
	Fa0/1	172.125.58.1	255.255.255.0	
	S1/0	172.152.59.134	255.255.255.252	
	S1/1	172.152.59.142	255.255.255.252	
<b>R9</b>	F0/0	172.152.0.1	255.255.224.0	N/A
	F0/1	172.152.40.1	255.255.248.0	
	S1/0	172.152.59.133	255.255.255.252	
	S1/1	172.152.59.138	255.255.255.252	
	S1/2	172.152.59.146	255.255.255.252	
<b>R8</b>	Fa0/0	172.152.52.1	255.255.252.0	N/A
	Fa0/1	172.152.59.1	255.255.255.120	
	S1/0	172.152.59.130	255.255.255.252	
	S1/1	172.152.59.137	255.255.255.252	
<b>PC5</b>	Fa0	172.152.56.2	255.255.254.0	172.152.56.1
<b>PC6</b>	Fa0	172.152.48.2	255.255.252.0	172.152.48.1
<b>PC7</b>	Fa0	172.152.32.2	255.255.248.0	172.152.32.1
<b>PC8</b>	Fa0	172.152.58.2	255.255.255.0	172.152.58.1
<b>PC9</b>	Fa0	172.152.59.2	255.255.255.128	172.152.59.1
<b>PC11</b>	Fa0	172.152.0.2	255.255.224.0	172.152.0.1
<b>PC12</b>	Fa0	172.152.40.3	255.255.248.0	172.152.40.1
<b>Server 2</b>	Fa0	172.152.56.4	255.255.254.0	172.152.56.1

<b>Server 3</b>	Fa0	172.152.0.4	255.255.224.0	172.152.0.1
<b>Laptop 5</b>	Fa0	172.152.56.3	255.255.254.0	172.152.56.1
<b>Laptop 6</b>	Fa0	172.152.48.3	255.255.252.0	172.152.48.1
<b>Laptop 7</b>	Fa0	172.152.32.3	255.255.248.0	172.152.32.1
<b>Laptop 8</b>	Fa0	172.152.58.3	255.255.255.0	172.152.58.1
<b>Laptop 9</b>	Fa0	172.152.59.3	255.255.255.128	172.152.59.1
<b>Laptop 10</b>	Fa0	172.152.0.3	255.255.224.0	172.152.0.1
<b>Laptop 11</b>	Fa0	172.152.40.2	255.255.248.0	172.152.40.1
<b>Laptop 0</b>	Fa0	172.152.52.2	255.255.252.0	172.152.52.1
<b>Printer</b>	Fa0	172.152.52.3	255.255.252.0	N/A

## The Commands of All Routers:

### Router 9:

```
Router>
Router>enconf t
Router>en
Router#conf t
Router(config)#in s1/0
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.131 255.255.255.252
Router(config-if)#ip address 172.152.59.133 255.255.255.252
Router(config-if)#no shutdown

Router(config-if)#exit
Router(config)#exit
Router#

Router#

Router#conf t

Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#no
Router(config-router)#no auto
Router(config-router)#no auto-summary
Router(config-router)#network 172.152.32.0
Router(config-router)#network 172.152.32.0
Router(config-router)#passive in
Router(config-router)#passive
Router(config-router)#passive-interface f0/0
Router(config-router)#network 172.152.58.0
Router(config-router)#passive
Router(config-router)#passive-interface f0/0
Router(config-router)#passive-interface f0/1
Router(config-router)#default
Router(config-router)#default
Router(config-router)#default-information originate
Router(config-router)#end
```

Router#

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router#

Router>en

Router#conf t

Router(config)#in s1/0

Router(config-if)#clock rate 64000

Router(config-if)#ip

Router(config-if)#ip add

Router(config-if)#ip address 172.152.59.134 255.255.255.252

Router(config-if)#no shut

Router(config-if)#no shutdown

Router>en

Router#conf t

Router(config)#in s1/1

Router(config-if)#ip add

Router(config-if)#ip address 172.152.59.138 255.255.255.252

Router(config-if)#no shut

Router(config-if)#no shutdown

Router(config-if)#

Router(config-if)#exit

Router(config)#

Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.137 Router(config)#ip  
route 172.152.59.0 255.255.255.128 172.

Router(config)#ip route 172.152.59.0 255.255.255.128 172.152.59.137

Router(config)#ip route 172.152.52.0 255.255.252.0 172.152.59.137

Router(config)#no shut

Router(config)#no shutdown

## **Router to Switch**

```
Router>en
```

```
Router#conf t
```

```
Router(config)#in f0/0
```

```
Router(config-if)#ip add
```

```
Router(config-if)#ip address 172.152.32.1 255.255.248.0
```

```
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
```

```
Router(config)#in f0/1
```

```
Router(config-if)#ip add
```

```
Router(config-if)#ip address 172.152.3
```

```
Router(config-if)#ip address 172.152.58.1 255.255.255.0
```

```
Router(config-if)#no shut
```

```
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit Router(config)#
```

```
Router>en
```

```
Router#conf t
```

```
Router(config)#in s1/1
```

```
Router(config-if)#clock rate 64000
```

```
Router(config-if)#ip add
```

```
Router(config-if)#ip address 172.152.59.137 255.255.255.252
```

```
Router(config-if)#no shut
```

```
Router(config-if)#no shutdown
```

```
Router(config-if)#exit
```

## **Router 7:**

```
Router to switch
```

```
Router>en
Router#conf t
```

```
Router(config)#in f0/0
Router(config-if)#ip a
Router(config-if)#ip add
Router(config-if)#ip address 172.152.0.1 255.255.224.0
Router(config-if)#no shut
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
Router(config)#in f0/1
Router(config-if)#ip add
Router(config-if)#ip address 172.152.40.1 255.255.248.0
Router(config-if)#no shut
Router(config-if)#no shutdown
```

Router to Router

```
Router>en
Router#conf t
```

```
Router(config)#in s1/0
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.131 255.255.255.252
Bad mask /30 for address 172.152.59.131
Router(config-if)#ip address 172.152.59.133 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config-if)#exit
Router(config)#exit
Router#
```

```
Router#
```

```
Router>en
```

```
Router#conf t
```



Router(config)#in se1/1

Router(config-if)#ip add

Router(config-if)#ip address 172.152.59.142 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shutdown

Router(config-if)#exit

Router>en

Router#conf t

Router(config)#in se1/1

Router(config-if)#ip add

Router(config-if)#ip address 172.152.59.142 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#

Router(config)#ip route 0.0.0.0 0.0.0.0 se1/1

Router(config)#router rip

Router(config-router)#version 2

Router(config-router)#no auto

Router(config-router)#no auto-summary

Router(config-router)#network 172.152.48.0

Router(config-router)#passive

Router(config-router)#passive-interface f0/1

Router(config-router)#network 172.152.56.0

Router(config-router)#passive

Router(config-router)#passive-interface f0/0

Router(config-router)#default

Router(config-router)#default-information originate

Router(config-router)#end

Router#

Router#copy run start **Router 6:**

```
Router>en
Router#conf t
```

```
Router(config)#interface s1/0
Router(config-if)#clock rate 64000
Router(config-if)#ip address 172.152.59.129
```

```
Router(config-if)#ip address 172.152.59.129 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config-if)#exit
Router(config)#
```

```
Router(config)#
Router(config)#in f0/0
Router(config-if)#ip add
Router(config-if)#ip address 172.152.56.1 255.255.254.0
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
Router(config)#in f0/1
Router(config-if)#ip add
Router(config-if)#ip address 172.152.48.1 255.255.252.0
Router(config-if)#no shut
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
Router(config)#
```

Router to Router

```
Router>
Router>en
Router#conf t
Router(config)#ip route 172.152.59.1 255.255.255.128
Router(config)#ip route 172.152.59.1 255.255.255.128 172.152.59.130
Router(config)#ip route 172.152.59.1 255.255.255.0 172.152.59.130
```

```
Router(config)#ip route 172.152.59.0 255.255.255.128 172.152.59.130
Router(config)#ip route 172.152.52.0 255.252.255.0 172.152.59.130
Router(config)#ip route 172.152.52.0 255.255.252.0 172.152.59.130
Router(config)#exit
Router#
```

```
Router#exit
```

```
Router>en
Router#conf t
Router(config)#in se1/1
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.141 255.255.255.252 Router(config-if)#no
shut
Router(config-if)#no shutdown

Router(config-if)#

Router(config-if)#exit
```

```
Router>en
Router#conf t
Router(config)#in se1/1
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.141 255.255.255.252
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#

Router(config-if)#exit
Router(config)#
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 se1/1
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#no auto
Router(config-router)#no auto-summary
Router(config-router)#network 172.152.32.0
Router(config-router)#passive
```

```
Router(config-router)#passive-interface f0/0
Router(config-router)#network 172.152.58.0
Router(config-router)#passive
Router(config-router)#passive-interface f0/1
Router(config-router)#default
Router(config-router)#default-information originate
Router(config-router)#end
Router#
```

```
Router#copy run start
```

```
Destination filename [startup-config]? Building
configuration...
```

```
Router>
Router>en
Router#conf t
Router(config)#in s1/2
Router(config-if)#ip ad
Router(config-if)#ip address 172.152.59.146 255.255.255.252
Router(config-if)#clock rate 64000
Router(config-if)#no shut
Router(config-if)#no shutdown
```

```
Router(config-if)#exit
```

```
Router(config)#in s1/2
Router(config-if)#ip ad
Router(config-if)#ip address 172.152.59.146 255.255.255.252
Router(config-if)#clock rate 64000
Router(config-if)#no shut
Router(config-if)#no shutdown
```

```
Router(config-if)#exit
Router(config)#
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.147
Router(config)#ip route 172.152.0.0 255.255.224.0
Router(config)#ip route 172.152.0.0 255.255.224.0 172.152.59.145
Router(config)#ip route 172.152.40.0 255.255.248.0 172.152.59.145
Router(config)#exit
Router#
Router>en
```

```
Router#conf t
Router#conf t
Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.145
Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.146
Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.130
Router(config)#ip route
Router(config)#ip route 172.152.56.0 255.255.254.0
Router(config)#ip route 172.152.56.0 255.255.254.0 172.152.59.146
Router(config)#ip route 172.152.48.0 255.255.252.0 172.152.59.146
Router(config)#
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 172.152.59.147
Router(config)#ip route 172.152.0.0 255.255.224.0
Router(config)#ip route 172.152.0.0 255.255.224.0 172.152.59.145
Router(config)#ip route 172.152.40.0 255.255.248.0 172.152.59.145
Router(config)#exit
Router#
```

```
Router#conf t
Router(config)#ip route 172.152.0.0 255.255.224.0 172.152.59.142 Router(config)#ip
route 172.152.0.0 255.255.224.0 172.152.59.142 5
Router(config)#ip route 172.152.40.0 255.255.248.0 172.152.59.142 5
Router(config)#
```

### **Router 8:**

```
Router>en
Router#conf t
Router(config)#in s1/0
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.130 255.255.255.252
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
Router(config)#
```

```
Router(config)#in f0/1
Router(config-if)#ip add
```

```
Router(config-if)#ip address 172.152.59.1 255.255.255.128
Router(config-if)#no shut
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router(config-if)#exit
Router(config)#in f0/0
Router(config-if)#ip add
Router(config-if)#ip address 172.152.52.1 255.255.252.0
Router(config-if)#no shutdown
```

```
Router(config-if)#
```

```
Router to Router
```

```
Router(config-if)#exit
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#exit Router#
```

```
Router>en
Router#conf t
Router#conf t
Router(config)#ip route 172.152.56.0 255.255.254.0 172.152.129
Router(config)#ip route 172.152.56.0 255.255.254.0 172.152.59.129
Router(config)#ip route 172.152.48.0 255.255.252.0 172.152.59.129
Router(config)#exit
Router#
```

```
Router#exit
```

```
Router>en
Router#conf t
Router(config)#in s1/1
Router(config-if)#clock rate 64000
Router(config-if)#ip add
Router(config-if)#ip address 172.152.59.137 255.255.255.252
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#exit
```

Router con0 is now available

## **The Configurations Of All Routers & Switches:**

### **Router 6:**

```
interface FastEthernet0/0 ip address
172.152.56.1 255.255.254.0 duplex
auto speed auto
!
interface FastEthernet0/1 ip address
172.152.48.1 255.255.252.0 duplex
auto speed auto
!
interface Serial1/0
ip address 172.152.59.129 255.255.255.252 clock
rate 64000
!
```

```
interface Serial1/1 ip address
172.152.59.141 255.255.255.252
!
interface Serial1/2
ip address 172.152.59.146 255.255.255.252 clock
rate 64000
!
interface Serial1/3
no ip address clock
rate 2000000
shutdown
!
interface Serial1/4
no ip address clock
rate 2000000
shutdown
!
interface Serial1/5
no ip address clock
rate 2000000
shutdown
!
interface Serial1/6
no ip address clock
rate 2000000
shutdown
!
interface Serial1/7
no ip address clock
rate 2000000
shutdown
!
router rip version 2 passive-
interface FastEthernet0/0
passive-interface FastEthernet0/1
network 172.152.0.0 default-
information originate no auto-
summary
!
ip classless
ip route 172.152.59.0 255.255.255.128 172.152.59.130 ip
route 172.152.52.0 255.255.252.0 172.152.59.130
ip route 0.0.0.0 0.0.0.0 Serial1/1 ip route 0.0.0.0
0.0.0.0 172.152.59.147 ip route 172.152.0.0
```



```

255.255.224.0 172.152.59.145 ip route 172.152.40.0
255.255.248.0 172.152.59.145 ip route 172.152.0.0
255.255.224.0 172.152.59.142 5 ip route 172.152.40.0
255.255.248.0 172.152.59.142 5
ip route 0.0.0.0 0.0.0.0 172.152.59.130 ip route
0.0.0.0 0.0.0.0 172.152.59.142 ip route 0.0.0.0 0.0.0.0
172.152.59.145
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4 login
!
!
!
end

```

### **Router 7:**

```

interface FastEthernet0/0 ip address
172.152.32.1 255.255.248.0 duplex
auto speed auto
!
interface FastEthernet0/1 ip address
172.152.58.1 255.255.255.0 duplex
auto speed auto
!
interface Serial1/0 ip address
172.152.59.134 255.255.255.252 clock rate
64000
!

```

```
interface Serial1/1 ip address  
172.152.59.142 255.255.255.252 clock rate  
64000
```

```
!
```

```
interface Serial1/2  
no ip address clock  
rate 2000000  
shutdown
```

```
!
```

```
interface Serial1/3  
no ip address clock  
rate 2000000  
shutdown
```

```
!
```

```
interface Serial1/4  
no ip address clock  
rate 2000000  
shutdown
```

```
!
```

```
interface Serial1/5  
no ip address clock  
rate 2000000  
shutdown
```

```
!
```

```
interface Serial1/6  
no ip address clock  
rate 2000000  
shutdown
```

```
!
```

```
interface Serial1/7 no  
ip address clock rate  
2000000 shutdown
```

```
! router rip version 2 passive-  
interface FastEthernet0/0  
passive-interface FastEthernet0/1  
network 172.152.0.0 default-  
information originate no auto-  
summary
```

```
!
```

```
ip classless ip route 0.0.0.0  
0.0.0.0 Serial1/0 ip route  
0.0.0.0 0.0.0.0 Serial1/1
```

```
!
```

```
ip flow-export version 9
```

```
!  
!  
!  
!  
!  
!  
!  
!  
line con 0  
!  
line aux 0  
!  
line vty 0 4 login  
!  
!  
!  
end
```

### **Router 8:**

```
interface FastEthernet0/0 ip address  
172.152.52.1 255.255.252.0 duplex  
auto speed auto  
!  
interface FastEthernet0/1 ip address  
172.152.59.1 255.255.255.128 duplex  
auto  
speed auto  
!  
interface Serial1/0 ip address  
172.152.59.130 255.255.255.252  
!  
interface Serial1/1 ip address  
172.152.59.137 255.255.255.252 clock rate  
64000  
!  
interface Serial1/2  
no ip address clock  
rate 2000000  
shutdown  
!
```

```
interface Serial1/3
no ip address clock
rate 2000000
shutdown
!
interface Serial1/4
no ip address clock
rate 2000000
shutdown
!
interface Serial1/5
no ip address clock
rate 2000000
shutdown
!
interface Serial1/6
no ip address clock
rate 2000000
shutdown
!
interface Serial1/7
no ip address clock
rate 2000000
shutdown
!
ip classless
ip route 172.152.56.0 255.255.254.0 172.152.59.129
ip route 172.152.48.0 255.255.252.0 172.152.59.129
ip route 0.0.0.0 0.0.0.0 172.152.59.138 ip route
172.152.0.0 255.255.224.0 172.152.59.138 ip route
172.152.40.0 255.255.248.0 172.152.59.138 ip
route 0.0.0.0 0.0.0.0 172.152.59.129
```

```
!  
  
ip flow-export version 9  
!  
!  
!  
!  
!  
!  
!  
!  
line con 0  
!  
line aux 0  
!  
line vty 0 4 login  
!  
!  
!  
end Router
```

**9:**

```
interface FastEthernet0/0 ip address  
172.152.0.1 255.255.224.0 duplex  
auto speed auto  
!  
interface FastEthernet0/1 ip address  
172.152.40.1 255.255.248.0 duplex  
auto speed auto  
!  
interface Serial1/0 ip address  
172.152.59.133 255.255.255.252  
!  
interface Serial1/1 ip address  
172.152.59.138 255.255.255.252  
!  
interface Serial1/2 ip address  
172.152.59.145 255.255.255.252  
!  
interface Serial1/3  
no ip address clock  
rate 2000000  
shutdown  
interface Serial1/4  
no ip address clock  
  
!
```

```
rate 2000000
shutdown
!
interface Serial1/5
no ip address clock
rate 2000000
shutdown
!
interface Serial1/6
no ip address clock
rate 2000000
shutdown
!
interface Serial1/7
no ip address clock
rate 2000000
shutdown
!
router rip version 2 passive-
interface FastEthernet0/0
passive-interface FastEthernet0/1
network 172.152.0.0 default-
information originate no auto-
summary
!
ip classless ip route 0.0.0.0 0.0.0.0 Serial1/0 ip route
0.0.0.0 0.0.0.0 172.152.59.137 ip route 172.152.59.0
255.255.255.128 172.152.59.137 ip route
172.152.52.0 255.255.252.0 172.152.59.137 ip route
0.0.0.0 0.0.0.0 172.152.59.146 ip route 0.0.0.0 0.0.0.0
172.152.59.130 ip route 172.152.56.0 255.255.254.0
172.152.59.146 ip route 172.152.48.0 255.255.252.0
172.152.59.146 ip route 172.152.56.0 255.255.254.0
172.152.59.134 5 ip route 172.152.48.0 255.255.252.0
172.152.59.134 5
ip route 0.0.0.0 0.0.0.0 172.152.59.134
!
ip flow-export version 9
!
!
!
!
!
```

!

!

line con 0

!

line aux 0

! line vty 0

4 login

!

!

!

end **The**

### **Rocks:**

interface Vlan1 no

ip address

shutdown

!

!

!

!

line con 0

! line vty 0

4 login line

vtty 5 15

login

!

!

!

!

end **The**

### **Reach:**

interface Vlan1 no

ip address

shutdown

!

!

!

!

line con 0

line vty 0 4

login line

!

```
vty 5 15
login
!
!
!
!
end
```

### **The drone:**

```
interface Vlan1 no
ip address
shutdown
!
!
!
!
line con 0
! line vty 0
4 login line
vty 5 15
login
!
!
!
!
end
```

### **The Iron Island:**

```
interface Vlan1 no
ip address
shutdown
!
!
!
!
line con 0
! line vty 0
4 login line
vty 5 15
login
!
!
```



!

!

end

### **The Stormlands:**

interface Vlan1 no

ip address

shutdown

!

!

!

!

line con 0

! line vty 0

4 login line

vtty 5 15

login

!

!

!

!

end

### **The Mountain and Vale:**

interface Vlan1 no

ip address

shutdown

!

!

!

!

line con 0

! line vty 0

4 login line

vtty 5 15

login

!

!

!

end

### **Beyond The Wall:**

!

```
interface Vlan1 no
ip address
shutdown
!
!
!
!
line con 0
!
line vty 0 4
login line
vty 5 15
login
!
!
!
!
end
```

### **The North:**

```
interface Vlan1 no
ip address
shutdown
!
!
!
!
line con 0
!
line vty 0 4
login line
vty 5 15
login
!
!
!
!
end
```

