

RIP

Step 1: First, open the Cisco packet tracer desktop and select the devices

Add 2pc pr laptop (pc0, pc1)

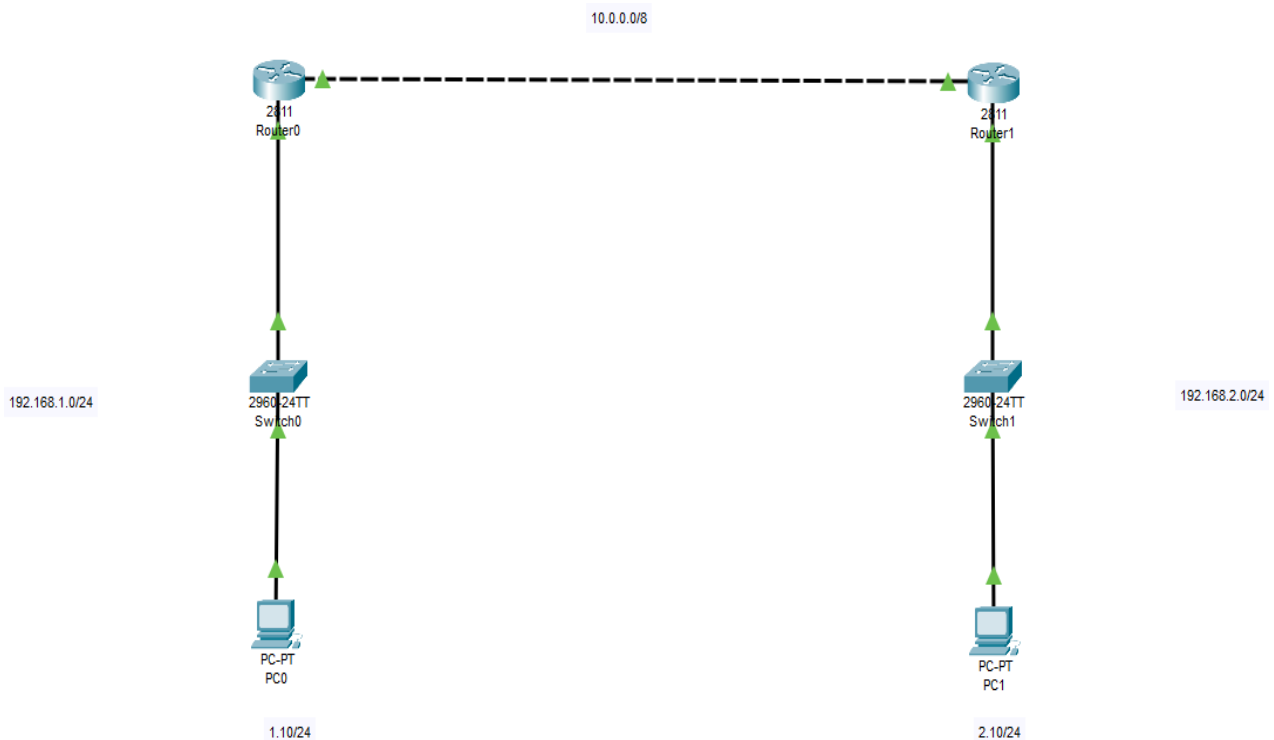
Add 2 switches (switch0, switch1)

Add 2 routers (router0, router1)

Step 2:-Add automatic wire to PC to switches and switches to router and vice versa.

Step3:- add ip address to pc for 192.168.1.10/24 and 192.168.2.10/24

Step 4:- Add interface configuration for router and rip configuration for routers.



RIP configuration for Router R1 – interface FA0/0

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.1.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
up
^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr
Building configuration...
[OK]
Router#
```

RIP configuration for Router R1 – interface 0/1

```
Router#en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/1
Router(config-if)#ip add 10.0.0.1 255.0.0.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr
Building configuration...
[OK]
Router#
```

RIP configuration for Router R2 – interface FA0/0 & FA0/1

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.2.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
up

Router(config-if)#exit
Router(config)#int fa0/1
Router(config-if)#ip add 10.0.0.2 255.0.0.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to
up

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

RIP Configurations on both R1 & R2 routers

Go to Router R1

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.1.0
Router(config-router)#network 10.0.0.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr
Building configuration...
[OK]
Router#
```

Go to Router R2

```
Router(config)#  
Router(config)#router rip  
Router(config-router)#network 192.168.2.0  
Router(config-router)#network 10.0.0.0  
Router(config-router)#^Z  
Router#  
%SYS-5-CONFIG_I: Configured from console by console
```

```
Router#wr  
Building configuration...  
[OK]  
Router#
```

After ping to pc it show succcessfully done.

