

LAB-6

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Router rip Version 2

Everything is same except 1 change.

Router (config) # router rip

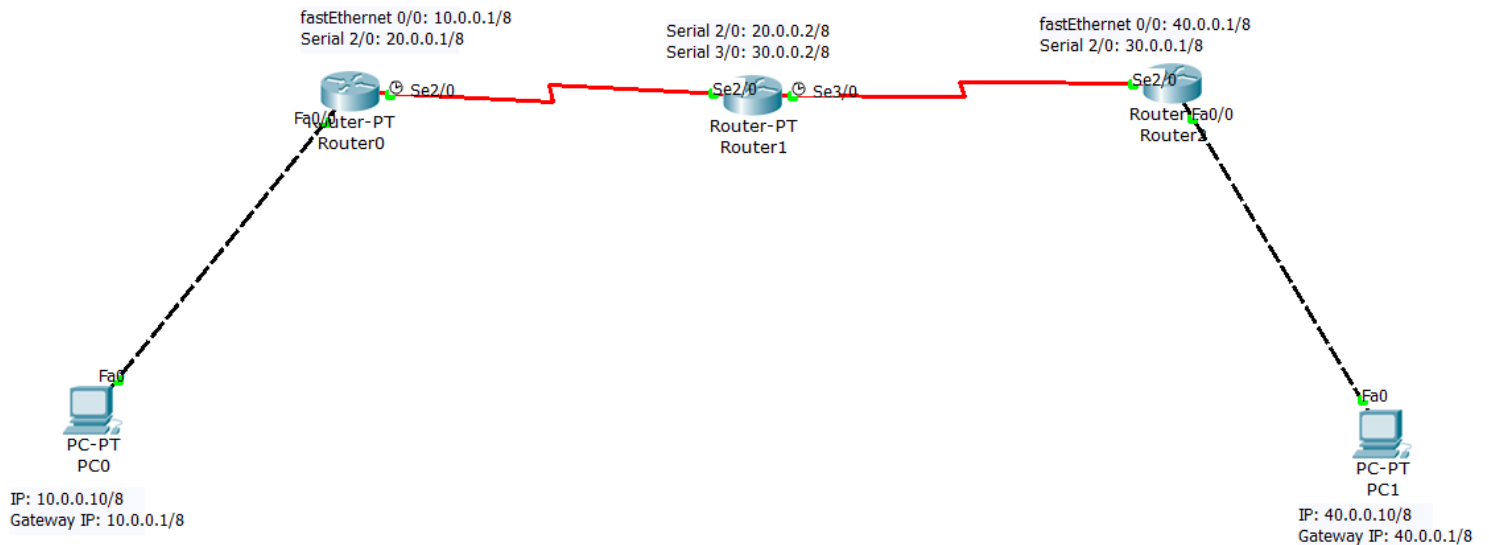
Router (config-router) # version 2.

Router (config-router) # network 10.0.0.0

Router (config-router) # network 20.0.0.0

Router (config-router) # exit

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## Router 0

```

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#exit
Router(config)#interface serial 2/0
Router(config-if)#ip address 20.0.0.1 255.0.0.0
Router(config-if)#encapsulation ppp
Router(config-if)#clock rate 64000
Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#network 20.0.0.0
Router(config-router)#network 10.0.0.0
Router(config-router)#exit

```

## Router 1

```

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface serial 2/0
Router(config-if)#ip address 20.0.0.2 255.0.0.0
Router(config-if)#encapsulation ppp

```

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

**Router(config-if)#**

**%LINK-5-CHANGED: Interface Serial2/0, changed state to up**

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

**Router(config)#**

**%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up**

**Router(config)#interface serial 3/0**

**Router(config-if)#ip address 30.0.0.2 255.0.0.0**

**Router(config-if)#encapsulation ppp**

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

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

**%LINK-5-CHANGED: Interface Serial3/0, changed state to down**

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

**Router(config)#router rip**

**Router(config-router)#version 2**

**Router(config-router)#network 20.0.0.0**

**Router(config-router)#network 30.0.0.0**

**Router(config-router)#exit**

## **Router 2**

**Router>enable**

**Router#config t**

**Enter configuration commands, one per line. End with CNTL/Z.**

**Router(config)#interface serial 2/0**

**Router(config-if)#ip address 30.0.0.1 255.0.0.0**

**Router(config-if)#encapsulation ppp**

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

**Router(config-if)#**

**%LINK-5-CHANGED: Interface Serial2/0, changed state to up**

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

**Router(config)#**

**%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up**

**Router(config)#interface fastEthernet 0/0**

**Router(config-if)#ip address 40.0.0.1 255.0.0.0**

**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)#router rip**

**Router(config-router)#version 2**

**Router(config-router)#network 30.0.0.0**

**Router(config-router)#network 40.0.0.0**