

Date – 11/09/2021

Subjects – Computer Network

Roll No- 18365

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Aim: Router Configuration Using Packet Tracer

Apparatus (Software): Packet tracer Software

Router0 Configuration Command

```
Router#enable
Router#config
Router(config)#interface Serial0/0/0
Router(config-if)#ip address 192.168.30.2 255.255.255.0
Router(config-if)#ip address 192.168.30.2 255.255.255.0
Router(config-if)#no shutdown
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)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#no shutdown
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
exit
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.30.1
Router(config)#
Router#
%SYS-5-CONFIG_I: Configured from console by console
exit
```

Router1 Configuration Command

```
Router#enable
Router#config
Router(config)#interface Serial0/0/0
Router(config-if)#clock rate 148000
This command applies only to DCE interfaces
```

```

Router(config-if)#ip address 192.168.30.3 255.255.255.0
Router(config-if)#ip address 192.168.30.3 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up
Router(config-if)#exit

```

```

Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.30.1
Router(config)#
Router#
%SYS-5-CONFIG_I: Configured from console by console
Exit

```

```

Router(config-if)#ip address 192.168.20.1 255.255.255.0
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
ip address 192.168.20.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

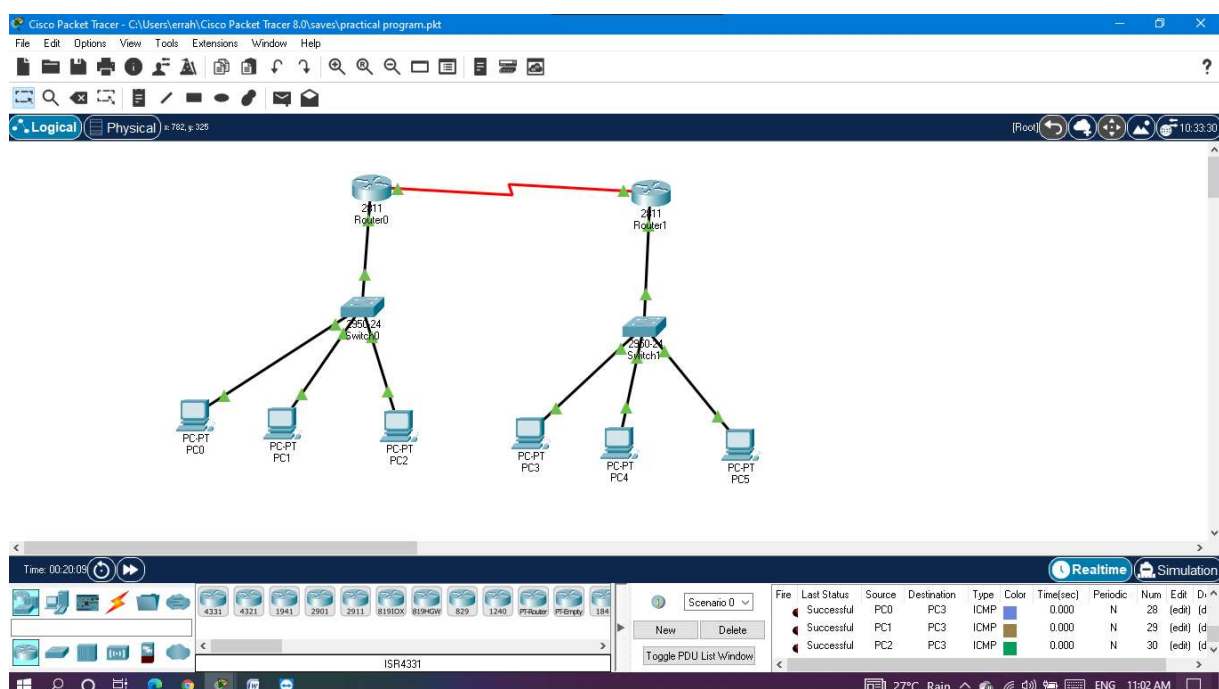
```

```

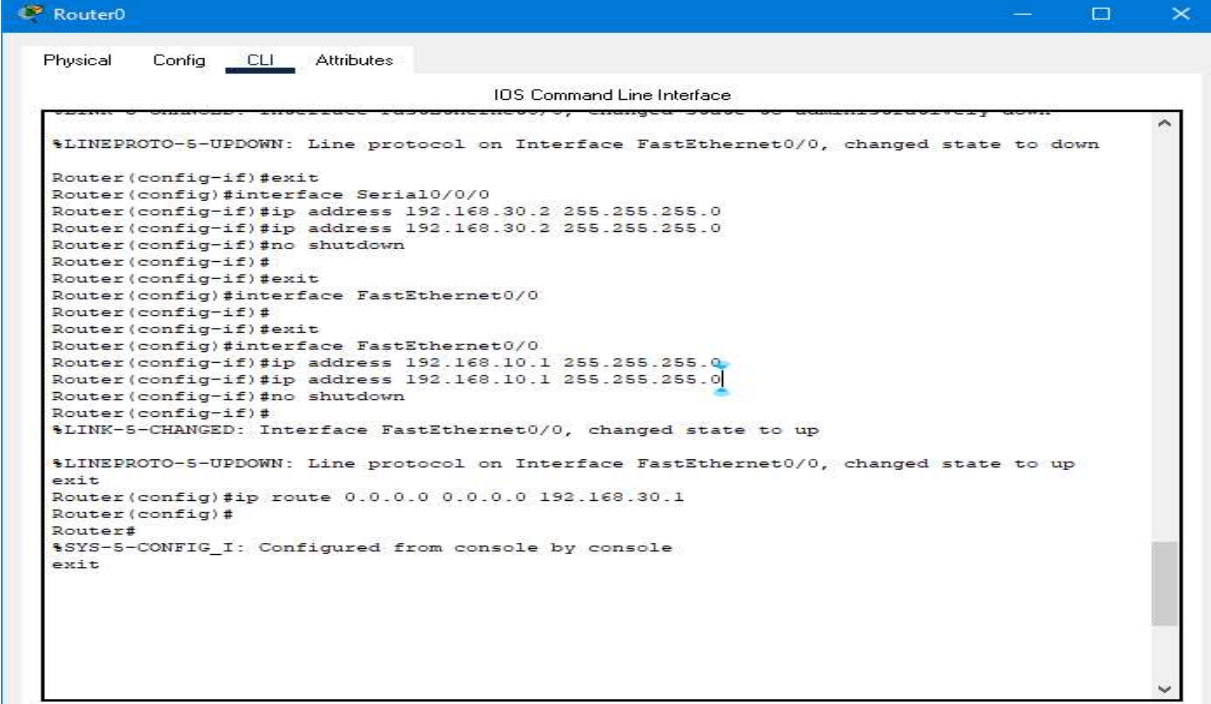
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
exit
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.30.1
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#exit

```

OUTPUT:

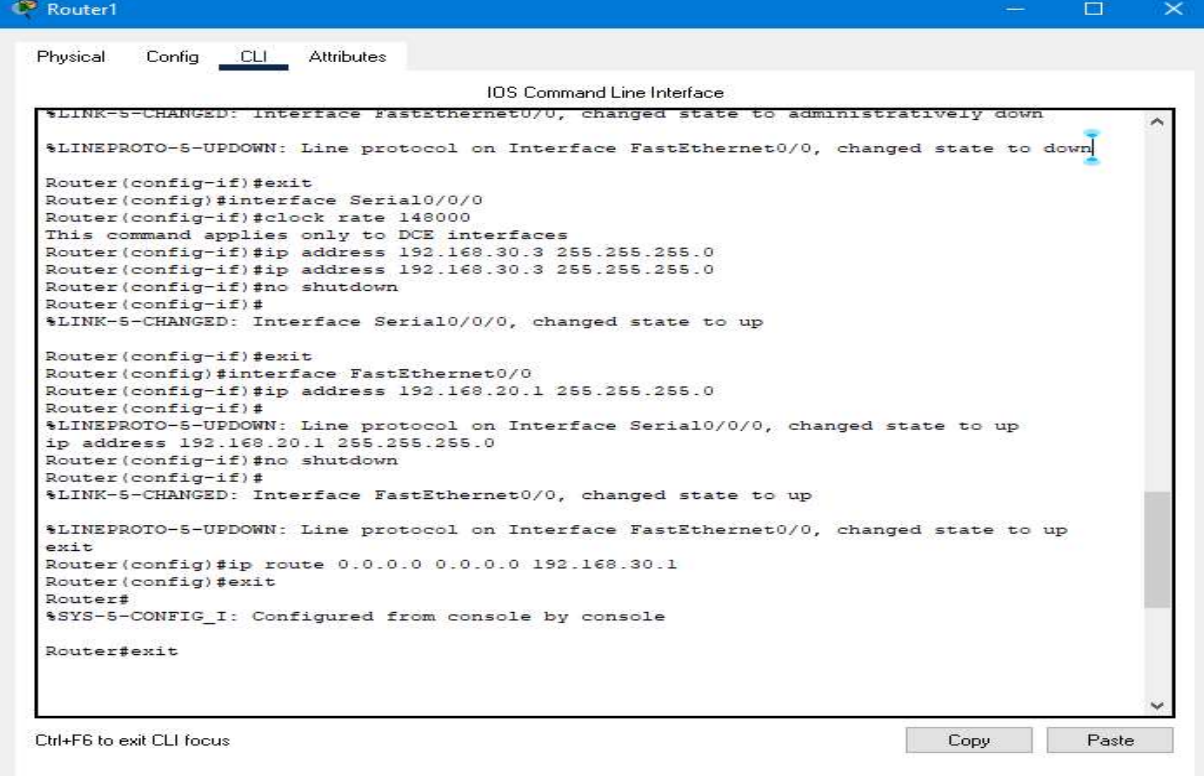


Screen Shot with Command Router0 and Router1



The screenshot shows the CLI of Router0. The window title is 'Router0'. The tabs are 'Physical', 'Config', 'CLI' (selected), and 'Attributes'. The title bar of the CLI window is 'IOS Command Line Interface'. The text in the CLI window is as follows:

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down  
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down  
Router(config-if)#exit  
Router(config)#interface Serial0/0/0  
Router(config-if)#ip address 192.168.30.2 255.255.255.0  
Router(config-if)#ip address 192.168.30.2 255.255.255.0  
Router(config-if)#no shutdown  
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)#ip address 192.168.10.1 255.255.255.0  
Router(config-if)#ip address 192.168.10.1 255.255.255.0  
Router(config-if)#no shutdown  
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  
exit  
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.30.1  
Router(config)#  
Router#  
%SYS-5-CONFIG_I: Configured from console by console  
exit
```



The screenshot shows the CLI of Router1. The window title is 'Router1'. The tabs are 'Physical', 'Config', 'CLI' (selected), and 'Attributes'. The title bar of the CLI window is 'IOS Command Line Interface'. The text in the CLI window is as follows:

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down  
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down  
Router(config-if)#exit  
Router(config)#interface Serial0/0/0  
Router(config-if)#clock rate 148000  
This command applies only to DCE interfaces  
Router(config-if)#ip address 192.168.30.3 255.255.255.0  
Router(config-if)#ip address 192.168.30.3 255.255.255.0  
Router(config-if)#no shutdown  
Router(config-if)#  
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up  
  
Router(config-if)#exit  
Router(config)#interface FastEthernet0/0  
Router(config-if)#ip address 192.168.20.1 255.255.255.0  
Router(config-if)#  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up  
ip address 192.168.20.1 255.255.255.0  
Router(config-if)#no shutdown  
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  
exit  
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.30.1  
Router(config)#exit  
Router#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Router#exit
```

Below the CLI window, there is a status bar with the text 'Ctrl+F6 to exit CLI focus' and two buttons: 'Copy' and 'Paste'.