



Untitled - Notepad  
File Edit Format View Help

Router 1:  
-----  
Connected interfaces: G0/0, Se0/1/0

Step 2:  
Need to figure out an IP addresses that your going to assign to the connected interfaces.

Step 3:  
Switch to the global configuration mode & get access to the interface

PC2  
Physical Config Desktop Programming Attributes

Terminal

Press RETURN to get started!

```
Router>en
Router#configure
Router#configure ter
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interfa
Router(config)#interface g0/0
Router(config-if)#ip address ?
  A.B.C.D  IP address
  dhcp    IP Address negotiated via DHCP
Router(config-if)#ip address 192.168.1.254 ?
  A.B.C.D  IP subnet mask
Router(config-if)#ip address 192.168.1.254 255.255.255.0 ?
<cr>
Router(config-if)#ip address 192.168.1.254 255.255.255.0
```

audio from this page

```
A.B.C.D  IP subnet mask
Router(config-if)#ip address 192.168.1.254 255.255.255.0 ?
<cr>
Router(config-if)#ip address 192.168.1.254 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

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

Router 1:  
-----  
Connected interfaces: G0/0, Se0/1/0

Step 2:  
Need to figure out an IP addresses that your going to assgin to the connected interfaces.

Step 3:  
Switch to the global configuration mode & get access to the interface

```
Router(config)#interface g0/0
Router(config-if)#ip address 192.168.1.254 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
```

```
Router(config)#interface se0/1/0
Router(config-if)#ip address 200.0.0.1 255.255.255.252
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#do w
Building configuration...
[OK]
Router(config)#
```

```

Router(config)#
Router(config)#
Router(config)#interfa
Router(config)#interface g0/0
Router(config-if)#ip address 172.16.1.254 255.255.255.0
Router(config-if)#no shutdown

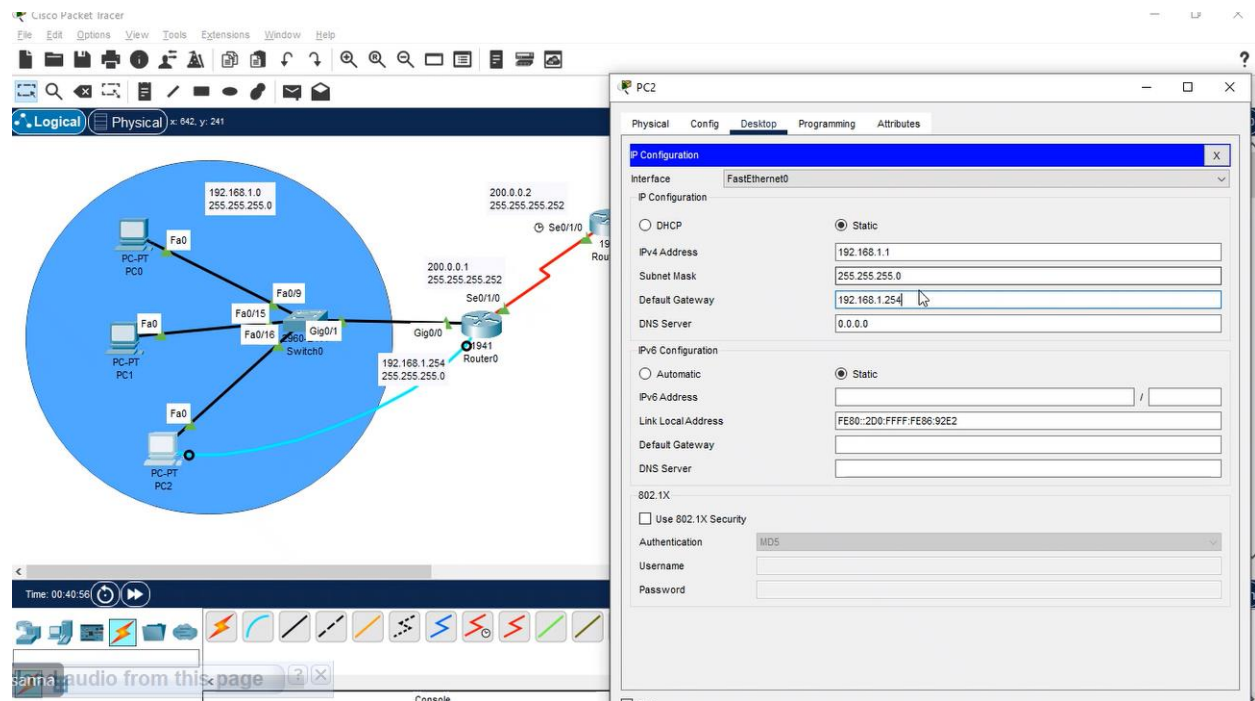
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

Router(config-if)#ex
Router(config)#
Router(config)#do w
Building configuration...
[OK]
Router(config)#

```

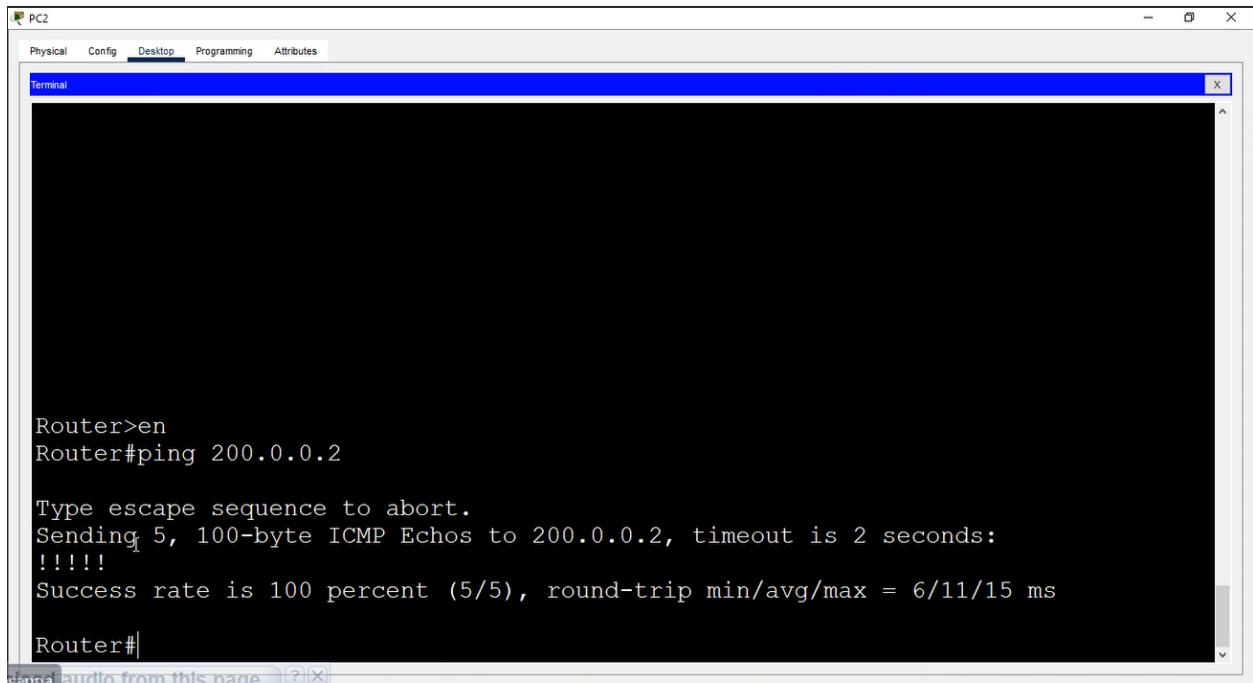
## Setting Default Gateway



# SHOULD ASSIGN THIS VALUE FOR ALL LOCAL NETWORKS IN THAT NETWORK....

The image displays a network simulation environment. On the left, a configuration window for PC3 is open, showing the 'Desktop' tab. The 'IP Configuration' section is active, with 'Static' selected. The IP Address is 172.16.1.1, Subnet Mask is 255.255.255.0, and Default Gateway is 172.16.1.254. The 'IPv6 Configuration' section is also visible, with 'Static' selected and the Link Local Address set to FE80::230:A3FF:FE80:878E. The '802.1X' section is expanded, showing 'Use 802.1X Security' is unchecked, and 'Authentication' is set to 'MD5'. The 'Console' window at the bottom shows a message: 'Sanna audio from this page'. On the right, a network diagram shows a central switch (2960-24) connected to three PCs (PC-PT PC3, PC-PT PC4, and PC-PT PC5). The switch has interfaces Gig0/1, Fa0/16, Fa0/20, and Fa0. The PCs are connected to the switch via their Fa0 interfaces. The diagram also shows the IP addresses and subnet masks for the PCs: 172.16.1.254/255.255.255.0 for PC3, 172.16.1.0/255.255.255.0 for PC4, and 172.16.1.0/255.255.255.0 for PC5. The simulation is running in 'Realtime' mode.

# Between Routers



The image shows a screenshot of a PC2 terminal window. The window has a title bar with 'PC2' and standard window controls. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes'. The 'Desktop' tab is active, and within it, a 'Terminal' window is open. The terminal has a black background with white text. The text in the terminal shows a user entering 'en' to enter enable mode, then 'ping 200.0.0.2'. The router responds with 'Type escape sequence to abort.', 'Sending 5, 100-byte ICMP Echos to 200.0.0.2, timeout is 2 seconds:', '!!!!', and 'Success rate is 100 percent (5/5), round-trip min/avg/max = 6/11/15 ms'. The prompt returns to 'Router#'. At the bottom of the terminal window, there is a small status bar that says 'Send audio from this page' with a speaker icon and a close button.

```
Router>en
Router#ping 200.0.0.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 200.0.0.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 6/11/15 ms
Router#
```