Fa0/0-PT
Router0

Fa0/1

Fa0/2-24
Switch0

Fa0

PC-PT
PC0

Physical   Config   CLI

IOS Cor

```
System Configuration Dialog

Continue with configuration dialog? [yes/no]: no


Press RETURN to get started!



Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname R1
R1(config)#enable secret rp
R1(config)#int Fa0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shutdown

R1(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

R1(config-if)#line vty 0 5
R1(config-line)#login
% Login disabled on line 132, until 'password' is set
% Login disabled on line 133, until 'password' is set
% Login disabled on line 134, until 'password' is set
% Login disabled on line 135, until 'password' is set
% Login disabled on line 136, until 'password' is set
% Login disabled on line 137, until 'password' is set
R1(config-line)#password tp
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
R1#show ip interface brief
Interface           IP-Address      OK? Method Status                 Protocol

FastEthernet0/0     192.168.1.1     YES manual up                     up

FastEthernet1/0     unassigned      YES unset  administratively down down

Serial2/0           unassigned      YES unset  administratively down down

Serial3/0           unassigned      YES unset  administratively down down

FastEthernet4/0     unassigned      YES unset  administratively down down

FastEthernet5/0     unassigned      YES unset  administratively down down
R1#
```

```
Building configuration...
[OK]
R1#show ip interface brief
Interface          IP-Address      OK? Method Status                 Protocol

FastEthernet0/0    192.168.1.1     YES manual up                     up

FastEthernet1/0    unassigned      YES unset  administratively down down

Serial2/0          unassigned      YES unset  administratively down down

Serial3/0          unassigned      YES unset  administratively down down

FastEthernet4/0    unassigned      YES unset  administratively down down

FastEthernet5/0    unassigned      YES unset  administratively down down
R1#




R1 con0 is now available




Press RETURN to get started.







R1>show ip interface brief
Interface          IP-Address      OK? Method Status                 Protocol

FastEthernet0/0    192.168.1.1     YES manual up                     up

FastEthernet1/0    192.168.1.2     YES manual administratively down down

Serial2/0          unassigned      YES unset  administratively down down

Serial3/0          unassigned      YES unset  administratively down down

FastEthernet4/0    unassigned      YES unset  administratively down down

FastEthernet5/0    unassigned      YES unset  administratively down down
R1>
```

PC0

Physical | Config | Desktop | Custom Interface

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=0ms TTL=255
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>telnet 192.168.1.1
Trying 192.168.1.1 ...Open


User Access Verification

Password:
Password:
R1>enable
Password:
Password:
R1#show ip interface brief
Interface              IP-Address      OK? Method Status                 Protocol

FastEthernet0/0        192.168.1.1     YES manual up                     up

FastEthernet1/0        unassigned      YES unset  administratively down down

Serial2/0              unassigned      YES unset  administratively down down

Serial3/0              unassigned      YES unset  administratively down down

FastEthernet4/0        unassigned      YES unset  administratively down down

FastEthernet5/0        unassigned      YES unset  administratively down down
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#int Fa0/1
%Invalid interface type and number
R1(config)#int Fa0/1
%Invalid interface type and number
R1(config)#ip address 192.168.1.2 255.255.255.0
                 ^
% Invalid input detected at '^' marker.

R1(config)#conf t
%Invalid hex value
R1(config)#conf t
%Invalid hex value
R1(config)#int Fa1/0
R1(config-if)#ip address 192.168.1.2 255.255.255.0
% 192.168.1.0 overlaps with FastEthernet0/0
R1(config-if)#
```