

PC0

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.16.20.10

Subnet Mask

255.255.255.0

Default Gateway

172.16.20.1

DNS Server

0.0.0.0

IPv6 Configuration

PC1

PhysicalConfigDesktopProgrammingAttributes

IP Configuration

InterfaceFastEthernet0

IP Configuration

DHCP

Static

IPv4 Address172.19.20.10

Subnet Mask255.255.255.0

Default Gateway172.19.20.1

DNS Server0.0.0.0

IPv6 Configuration

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip address 172.16.20.1 255.255.255.0
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

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

Router#

Router#conf

Configuring from terminal, memory, or network [terminal]?

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

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip address 172.17.20.2 255.255.255.0

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

Router(config-if)#exit

Router(config)#exit

Router#

%SYS-5-CONFIG_I: Configured from console by console

Router#conf

Configuring from terminal, memory, or network [terminal]?

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

Router(config)#interface fastEthernet 0/1

Router(config-if)#ip address 172.18.20.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip address 172.18.20.2 255.255.255.0
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

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

Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface fastEthernet 0/1
Router(config-if)#ip address 172.19.20.1 255.255.255.0
Router(config-if)#no shutdown
```

```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router ospf 10
Router(config-router)#network 172.16.20.0 0.0.0.255 area0
                                         ^
% Invalid input detected at '^' marker.

Router(config-router)#network 172.16.20.0 0.0.0.255 area 0
Router(config-router)#network 172.17.20.0 0.0.0.255 area 0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#
```

00:56:03: %OSPF-5-ADJCHG: Process 10, Nbr 172.17.20.1 on

Router#conf

Configuring from terminal, memory, or network [terminal]?

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

Router(config)#router ospf 10

Router(config-router)#network 172.17.20.0 0.0.0.255 area 0

Router(config-router)#network 172.17.20.0 0.0.0.255 area 0

00:56:03: %OSPF-5-ADJCHG: Process 10, Nbr 172.17.20.1 on
FastEthernet0/0 from LOADING to FULL, Loading Done

Router(config-router)#network 172.18.20.0 0.0.0.255 area 0

Router(config-router)#exit

Router(config)#exit

Router#

%SYS-5-CONFIG_I: Configured from console by console

Router#wr

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router ospf 10
Router(config-router)#network 172.18.20.0 0.0.0.255 area 0
Router(config-router)#network 172.18.20.0 0.0.0.255 area 0
01:09:48: %OSPF-5-ADJCHG: Process 10, Nbr 172.18.20.1 on
FastEthernet0/0 from LOADING to FULL, Loading Done

Router(config-router)#network 172.19.20.0 0.0.0.255 area 0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
WR
Building configuration
```