## Packet Tracer — IPv4-

		IP-		
CustomerRouter	G0/0	192.168.0.1	255.255.255.192	
	G0/1	192.168.0.65	255.255.255.192	
	S0/1/0	209.165.201.2	255.255.255.252	
LAN-A	VLAN1	192.168.0.2	255.255.255.192	192.168.0.1
LAN-B	VLAN1	192.168.0.66	255.255.255.192	192.168.0.1
PC-A	NIC	192.168.0.62	255.255.255.192	192.168.0.65
РС-В	NIC	192.168.0.126	255.255.255.192	192.168.0.65
ISPRouter	G0/0	209.165.200.225	255.255.255.224	_
	S0/1/0	209.165.201.1	255.255.255.252	
ISPSwitch	VLAN1	209.165.200.226	255.255.255.224	209.165.200.225
ISP Workstation	NIC	209.165.200.235.	255.255.255.224	209.165.200.225
ISP Server	NIC	209.165.200.240	255.255.255.224	209.165.200.225

1.

2.

3.

/

ping.

1:

1.

192.168.0.0/24

a. — LAN-A.

50 IP

IP-

```
LAN-B.
                   40 IP
                        ? 50
                     ? 4
                        192.168.0.0/24.
   /24
                               8
                    2)
              /24. /24 —
                      255.255.255.0.
255.255.255.128_
                 2/126
_255.255.255.192_
                 4/62
255.255.255.224_
255.255.255.240___
255.255.255.248___
                 32/6
```

255.255.255.252\_

? 32/2 ? /26 /25 ? /26 /27 /28 /29 /30 ? /26 **—** 192.168.0.0 /26 255.255.255.192 /26 255.255.255.192 /26 255.255.255.192 /26 255.255.255.192 IP-ISP Network. LAN-A. CustomerRouter, LAN-A. Router#config t Enter configuration commands, one per line. End with CNTL/Z. Router(config) #interface G0/0 Router(config-if) #ip address 192.168.0.1 255.255.255.192 Router(config-if) #no shutdown LAN-A.

Switch#config t Enter configuration commands, one per line. End with CNTL/Z. Switch (config) #interface VLAN1 Switch(config-if) #ip address 192.168.0.2 255.255.255.192 Switch (config-if) #no shutdown Switch (config-if) # %LINK-5-CHANGED: Interface Vlan1, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up Switch(config-if) #ip default-gateway 192.168.0.1

PC-A.

IPv4 Address 192 168 0 62 255.255.255.192 Subnet Mask 192 168 0 1 Default Gateway

LAN-B.

192.168.0.0 192.168.0.64

192.168.0.128

2.

a.

192.168.0.192

1)

2)

3)

IP-

```
1)
                                                 CustomerRouter,
                 LAN-B.
      named factored welled accounts documing expressions
     Router(config) #interface G0/1
     Router(config-if) #ip address 192.168.0.64 255.255.255.192
    Bad mask /26 for address 192.168.0.64
    Router(config-if) #ip address 192.168.0.65 255.255.255.192
     Router (config-if) #no shutdown
   2)
                                                 LAN-B.
       Switch (config) #interface VLAN1
        Switch(config-if) #interface VLAN1
       Switch(config-if) #ip address 192.168.0.66 255.255.255.192
       Switch(config-if) #ip default-gateway 192.168.0.65
   3)
                                         PC-B.
        IPv4 Address
                                    192.168.0.126
        Subnet Mask
                                    255.255.255.192
                                    192.168.0.65
        Default Gateway
    2.
1:
              CustomerRouter.
a.
                                        CustomerRouter Class123
                                       Cisco123.
           CustomerRouter
                     IP-
                                                             G0/0 G0/1.
 2.
         IP-
                                VLAN 1
                          PC.
 3:
         IP-
                                                               PC-
                                                                      PC-B.
    3.
      3
                                                       ping.
                      PC-A
a.
```

```
C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time<lms TTL=255
Reply from 192.168.0.1: bytes=32 time<lms TTL=255
Reply from 192.168.0.1: bytes=32 time=lms TTL=255
Reply from 192.168.0.1: bytes=32 time<lms TTL=255

Ping statistics for 192.168.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = lms, Average = Oms
```

PC-B

?

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.65

Pinging 192.168.0.65 with 32 bytes of data:

Reply from 192.168.0.65: bytes=32 time<lms TTL=255

Ping statistics for 192.168.0.65:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

PC-A PC-B. ?

```
Pinging 192.168.0.126 with 32 bytes of data:

Reply from 192.168.0.126: bytes=32 time<lms TTL=127

Ping statistics for 192.168.0.126:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

IP-PC-A PC-B