**PC-01**

Cisco Packet Tracer PC Command Line 1.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::2

IPv4 Address....................: 172.168.1.3

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.1

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::2

IPv4 Address....................: 172.16.1.3

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.1

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ping 172.16.1.1

Pinging 172.16.1.1 with 32 bytes of data:

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 172.16.1.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

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

C:\>ping 209.165.201.2

Pinging 209.165.201.2 with 32 bytes of data:

Request timed out.

Reply from 209.165.201.2: bytes=32 time=7ms TTL=126

Reply from 209.165.201.2: bytes=32 time=6ms TTL=126

Reply from 209.165.201.2: bytes=32 time=5ms TTL=126

Ping statistics for 209.165.201.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 5ms, Maximum = 7ms, Average = 6ms

C:\>ping 172.16.1.4

Pinging 172.16.1.4 with 32 bytes of data:

Reply from 172.16.1.4: bytes=32 time<1ms TTL=128

Reply from 172.16.1.4: bytes=32 time<1ms TTL=128

Reply from 172.16.1.4: bytes=32 time<1ms TTL=128

Reply from 172.16.1.4: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.1.4:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

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

C:\>ping 172.16.2.3

Pinging 172.16.2.3 with 32 bytes of data:

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Ping statistics for 172.16.2.3:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.2.4

Pinging 172.16.2.4 with 32 bytes of data:

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Ping statistics for 172.16.2.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ssh

Cisco Packet Tracer PC SSH

Usage: SSH -l username target

C:\>SSH -l Admin01 172.16.1.1

Password:

Warning: Unauthorized Access is Prohibited.

R1#show ip inter

R1#show ip interface br

R1#show ip interface brief

Interface IP-Address OK? Method Status Protocol

GigabitEthernet0/0 172.16.1.1 YES manual up up

GigabitEthernet0/1 172.16.3.1 YES manual up up

Serial0/0/0 209.165.200.226 YES manual up up

Serial0/0/1 unassigned YES unset down down

Vlan1 unassigned YES unset administratively down down

R1#config t

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

R1(config)#interf

R1(config)#interface g0/1

R1(config-if)#ip adre

R1(config-if)#ip add

R1(config-if)#ip address 172.16.2.1 255.255.255.0

R1(config-if)#no shut

R1(config-if)#no shutdown

R1(config-if)#exit

R1(config)#exit

R1#show ip inte

R1#show ip interface br

R1#show ip interface brief

Interface IP-Address OK? Method Status Protocol

GigabitEthernet0/0 172.16.1.1 YES manual up up

GigabitEthernet0/1 172.16.2.1 YES manual up up

Serial0/0/0 209.165.200.226 YES manual up up

Serial0/0/1 unassigned YES unset down down

Vlan1 unassigned YES unset administratively down down

R1#

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 0030.F2D8.3C0A

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::2

IPv4 Address....................: 172.16.1.3

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.1

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-52-A7-D4-C9-00-30-F2-D8-3C-0A

DNS Servers.....................: 2001:DB8:CAFE::3

209.165.201.3

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0060.47B1.DD31

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-52-A7-D4-C9-00-30-F2-D8-3C-0A

DNS Servers.....................: ::

209.165.201.3

**PC-02**

Cisco Packet Tracer PC Command Line 1.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::3

IPv4 Address....................: 172.16.1.4

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.11

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::3

IPv4 Address....................: 172.16.1.4

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.1

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ping 172.16.1.1

Pinging 172.16.1.1 with 32 bytes of data:

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Reply from 172.16.1.1: bytes=32 time<1ms TTL=255

Ping statistics for 172.16.1.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

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

C:\>ping 209.165.201.2

Pinging 209.165.201.2 with 32 bytes of data:

Reply from 209.165.201.2: bytes=32 time=9ms TTL=126

Reply from 209.165.201.2: bytes=32 time=6ms TTL=126

Reply from 209.165.201.2: bytes=32 time=6ms TTL=126

Reply from 209.165.201.2: bytes=32 time=7ms TTL=126

Ping statistics for 209.165.201.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 6ms, Maximum = 9ms, Average = 7ms

C:\>ping 172.16.1.3

Pinging 172.16.1.3 with 32 bytes of data:

Reply from 172.16.1.3: bytes=32 time<1ms TTL=128

Reply from 172.16.1.3: bytes=32 time=4ms TTL=128

Reply from 172.16.1.3: bytes=32 time<1ms TTL=128

Reply from 172.16.1.3: bytes=32 time=5ms TTL=128

Ping statistics for 172.16.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 5ms, Average = 2ms

C:\>ping 172.16.2.3

Pinging 172.16.2.3 with 32 bytes of data:

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Ping statistics for 172.16.2.3:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.2.4

Pinging 172.16.2.4 with 32 bytes of data:

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Reply from 209.165.200.225: Destination host unreachable.

Ping statistics for 172.16.2.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 000C.85CC.B602

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD::3

IPv4 Address....................: 172.16.1.4

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.1.1

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-B9-D3-74-8C-00-0C-85-CC-B6-02

DNS Servers.....................: 2001:DB8:CAFE::4

209.165.201.3

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 000C.8567.917A

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-B9-D3-74-8C-00-0C-85-CC-B6-02

DNS Servers.....................: ::

209.165.201.3

**PC-A**

Cisco Packet Tracer PC Command Line 1.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD:1::2

IPv4 Address....................: 172.16.2.3

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.2.1

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ping 209.165.201.2

Pinging 209.165.201.2 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 209.165.201.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.2.1

Pinging 172.16.2.1 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 172.16.2.1:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.2.4

Pinging 172.16.2.4 with 32 bytes of data:

Reply from 172.16.2.4: bytes=32 time<1ms TTL=128

Reply from 172.16.2.4: bytes=32 time<1ms TTL=128

Reply from 172.16.2.4: bytes=32 time<1ms TTL=128

Reply from 172.16.2.4: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.2.4:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

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

C:\>ping 172.16.1.3

Pinging 172.16.1.3 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 172.16.1.3:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.16.1.4

Pinging 172.16.1.4 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 172.16.1.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 000B.BEB5.63B2

Link-local IPv6 Address.........: FE80::2

IPv6 Address....................: 2001:DB8:ACAD:1::2

IPv4 Address....................: 172.16.2.3

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.2.1

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-8D-89-37-EC-00-0B-BE-B5-63-B2

DNS Servers.....................: 2001:DB8:CAFE::3

209.165.201.3

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0001.9724.52B4

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-8D-89-37-EC-00-0B-BE-B5-63-B2

DNS Servers.....................: ::

209.165.201.3

**PC-B**

Cisco Packet Tracer PC Command Line 1.0

C:\>ipconfig

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: FE80::4

IPv6 Address....................: 2001:DB8:ACAD:1::4

IPv4 Address....................: 172.16.2.4

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.2.1

Bluetooth Connection:

Connection-specific DNS Suffix..:

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

C:\>ping 209.165.201.2

Pinging 209.165.201.2 with 32 bytes of data:

Reply from 209.165.201.2: bytes=32 time=8ms TTL=126

Reply from 209.165.201.2: bytes=32 time=7ms TTL=126

Reply from 209.165.201.2: bytes=32 time=7ms TTL=126

Reply from 209.165.201.2: bytes=32 time=7ms TTL=126

Ping statistics for 209.165.201.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 7ms, Maximum = 8ms, Average = 7ms

C:\>ping 172.16.2.1

Pinging 172.16.2.1 with 32 bytes of data:

Reply from 172.16.2.1: bytes=32 time<1ms TTL=255

Reply from 172.16.2.1: bytes=32 time<1ms TTL=255

Reply from 172.16.2.1: bytes=32 time<1ms TTL=255

Reply from 172.16.2.1: bytes=32 time<1ms TTL=255

Ping statistics for 172.16.2.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

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

C:\>ping 172.16.2.3

Pinging 172.16.2.3 with 32 bytes of data:

Reply from 172.16.2.3: bytes=32 time=7ms TTL=128

Reply from 172.16.2.3: bytes=32 time<1ms TTL=128

Reply from 172.16.2.3: bytes=32 time=6ms TTL=128

Reply from 172.16.2.3: bytes=32 time=5ms TTL=128

Ping statistics for 172.16.2.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 7ms, Average = 4ms

C:\>ping 172.16.1.3

Pinging 172.16.1.3 with 32 bytes of data:

Reply from 172.16.1.3: bytes=32 time<1ms TTL=127

Reply from 172.16.1.3: bytes=32 time<1ms TTL=127

Reply from 172.16.1.3: bytes=32 time=5ms TTL=127

Reply from 172.16.1.3: bytes=32 time<1ms TTL=127

Ping statistics for 172.16.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>ping 172.16.1.4

Pinging 172.16.1.4 with 32 bytes of data:

Reply from 172.16.1.4: bytes=32 time<1ms TTL=127

Reply from 172.16.1.4: bytes=32 time<1ms TTL=127

Reply from 172.16.1.4: bytes=32 time<1ms TTL=127

Reply from 172.16.1.4: bytes=32 time=5ms TTL=127

Ping statistics for 172.16.1.4:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 0001.6384.B18C

Link-local IPv6 Address.........: FE80::4

IPv6 Address....................: 2001:DB8:ACAD:1::4

IPv4 Address....................: 172.16.2.4

Subnet Mask.....................: 255.255.255.0

Default Gateway.................: FE80::1

172.16.2.1

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-8D-89-37-EC-00-01-63-84-B1-8C

DNS Servers.....................: 2001:DB8:CAFE::3

209.165.201.4

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0010.1177.D60C

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

IPv4 Address....................: 0.0.0.0

Subnet Mask.....................: 0.0.0.0

Default Gateway.................: ::

0.0.0.0

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-8D-89-37-EC-00-01-63-84-B1-8C

DNS Servers.....................: ::

209.165.201.4