PC 1:

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:\>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=5ms TTL=255

Reply from 172.16.1.1: bytes=32 time=4ms TTL=255

Reply from 172.16.1.1: bytes=32 time=17ms 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 = 17ms, Average = 6ms

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=11ms TTL=126

Reply from 209.165.201.2: bytes=32 time=17ms TTL=126

Reply from 209.165.201.2: bytes=32 time=14ms 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 = 11ms, Maximum = 17ms, Average = 14ms

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=11ms TTL=128

Reply from 172.16.1.4: bytes=32 time=10ms 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 = 11ms, Average = 5ms

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),

PC 2:

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:\>ping 172.16.1.1

Pinging 172.16.1.1 with 32 bytes of data:

Reply from 172.16.1.1: bytes=32 time=3ms 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 = 3ms, Average = 1ms

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=1ms TTL=126

Reply from 209.165.201.2: bytes=32 time=12ms TTL=126

Reply from 209.165.201.2: bytes=32 time=19ms TTL=126

Reply from 209.165.201.2: bytes=32 time=1ms 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 = 1ms, Maximum = 19ms, Average = 8ms

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=5ms TTL=128

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

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

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),

PC A:

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=11ms 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 = 11ms, Average = 3ms

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),

PC B:

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=1ms TTL=126

Reply from 209.165.201.2: bytes=32 time=24ms TTL=126

Reply from 209.165.201.2: bytes=32 time=1ms TTL=126

Reply from 209.165.201.2: bytes=32 time=16ms 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 = 1ms, Maximum = 24ms, Average = 10ms

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 = 1ms, 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=56ms TTL=128

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

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

Reply from 172.16.2.3: bytes=32 time=11ms 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 = 56ms, Average = 17ms

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=2ms 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 = 2ms, Average = 0ms

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<1ms 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 = 1ms, Average = 0ms

Access R2 from PC 1:

Packet Tracer PC Command Line 1.0

C:\>ssh -l Admin01 172.16.1.1

Password:

Warning: Unauthorized Access is Prohibited.

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#conf t

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

R1(config)#int g0/1

R1(config-if)#ip address 172.16.2.1 255.255.255.0

R1(config-if)#exit

R1(config)#exit

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#