



Here , 2 routers (2911) and 2 PC are used in the network

IP addresses to the interfaces:

Router0 LAN interface (GigabitEthernet0/0): 192.168.1.1/24

Router1 LAN interface (GigabitEthernet0/0): 192.168.2.1/24

Router0 Serial interface (GigabitEthernet0/1): 10.0.0.1/30

Router1 Serial interface (GigabitEthernet0/1): 10.0.0.2/30

IP addresses on the PCs:

PC0: 192.168.1.2/24, Gateway: 192.168.1.1

PC1: 192.168.2.2/24, Gateway: 192.168.2.1

Configured Static routes in router's CLI

In Router0 - ip route 192.168.2.0 255.255.255.0 10.0.0.2

In Router1 - ip route 192.168.1.0 255.255.255.0 10.0.0.1

Ping and Tracert command verified :

C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Reply from 192.168.2.2: bytes=32 time=6ms TTL=126

Reply from 192.168.2.2: bytes=32 time=6ms TTL=126

Reply from 192.168.2.2: bytes=32 time=6ms TTL=126

Reply from 192.168.2.2: bytes=32 time=6ms TTL=126

Ping statistics for 192.168.2.2:

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

Approximate round trip times in milli-seconds:

Minimum = 6ms, Maximum = 6ms, Average = 6ms

C:\>tracert 192.168.2.2

Invalid Command.

C:\>tracert 192.168.2.2

Tracing route to 192.168.2.2 over a maximum of 30 hops:

1 2 ms 2 ms 2 ms 192.168.1.1

2 4 ms 4 ms 4 ms 10.0.0.2

3 6 ms 6 ms 6 ms 192.168.2.2

Trace complete.