

Test Evidence

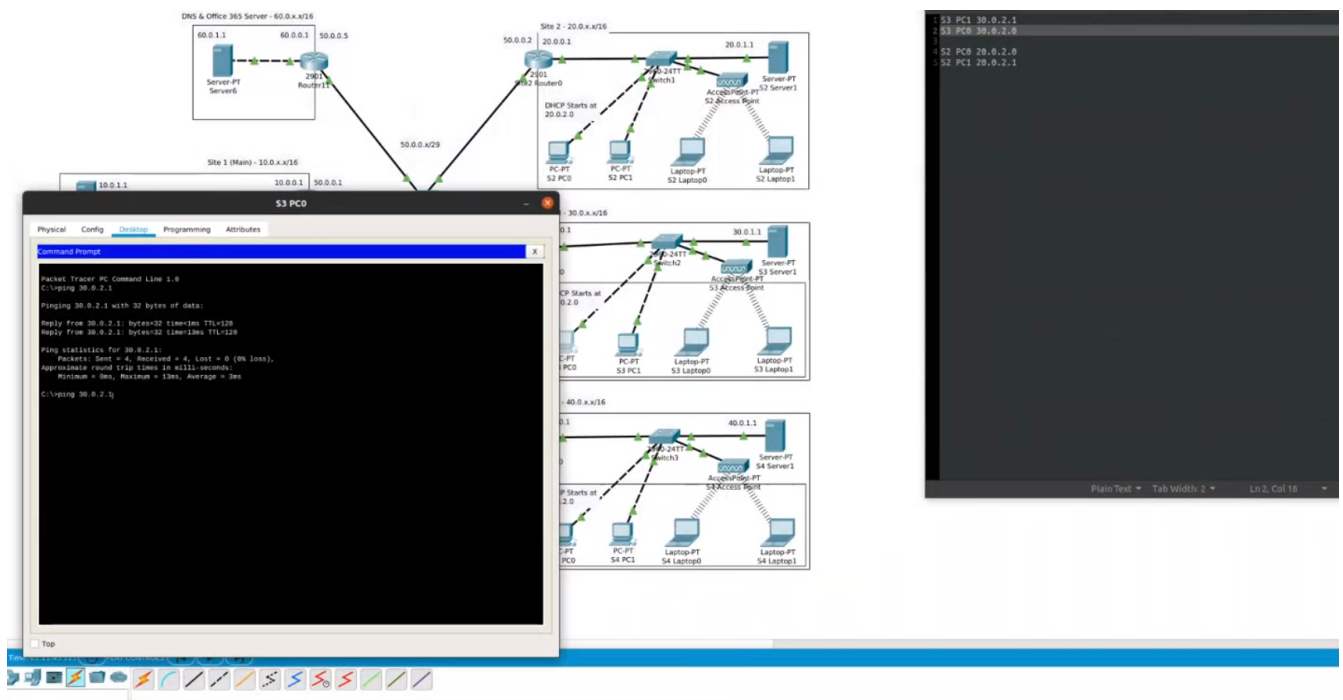
Test 1

Communication between the same site (Site 2). This test utilises S2 PC0 and S2 PC1.

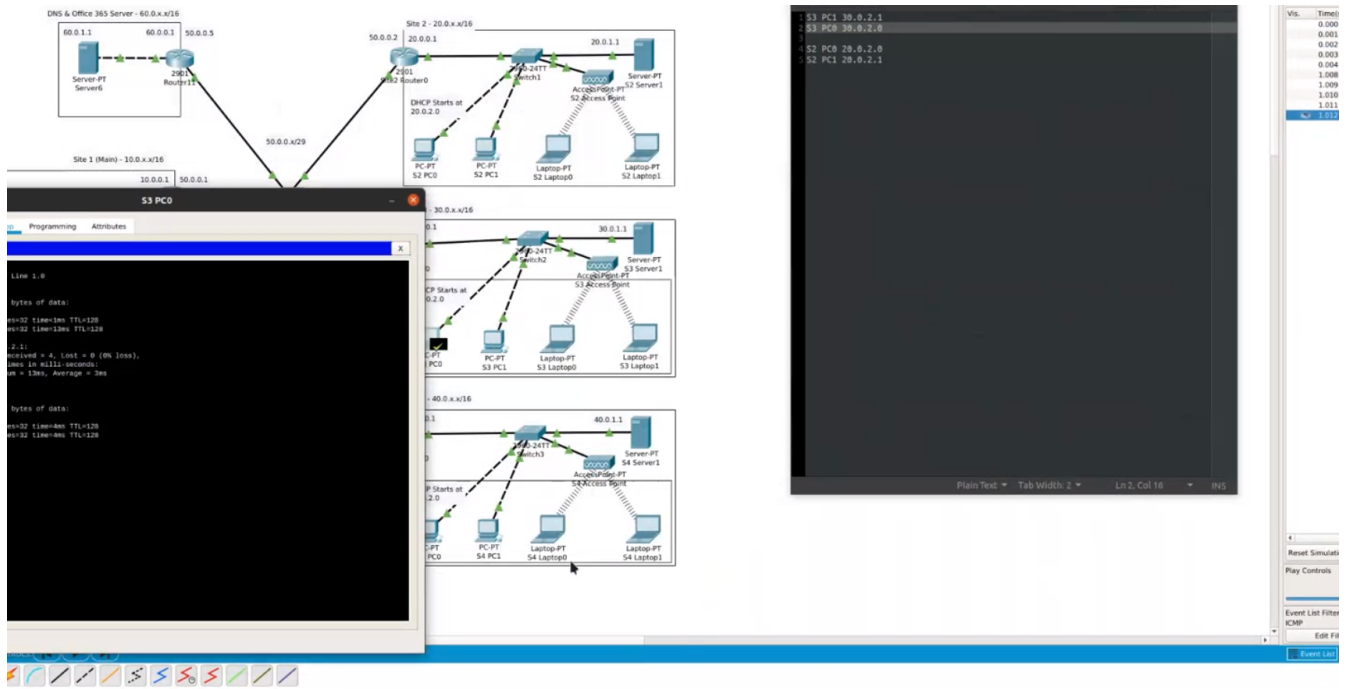
S2 PC0 → S2 PC1

20.0.2.0 → 20.0.2.1

This screenshot shows the ping command entered into S2 PC0, along with the IP.



Here you can see the returned packet in simulation mode, along with evidence of a returned ping in the console.



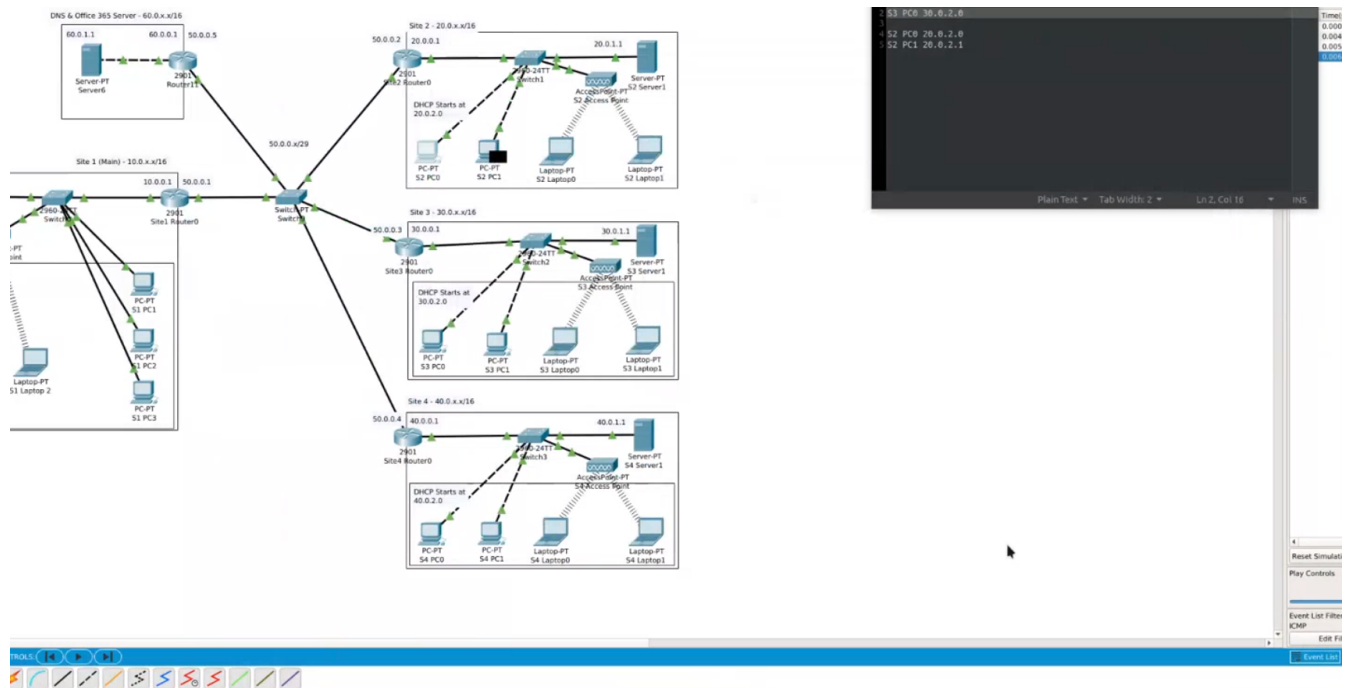
Test 2

Communication between the same site (Site 3). This test utilises S3 PC0 and S3 PC1.

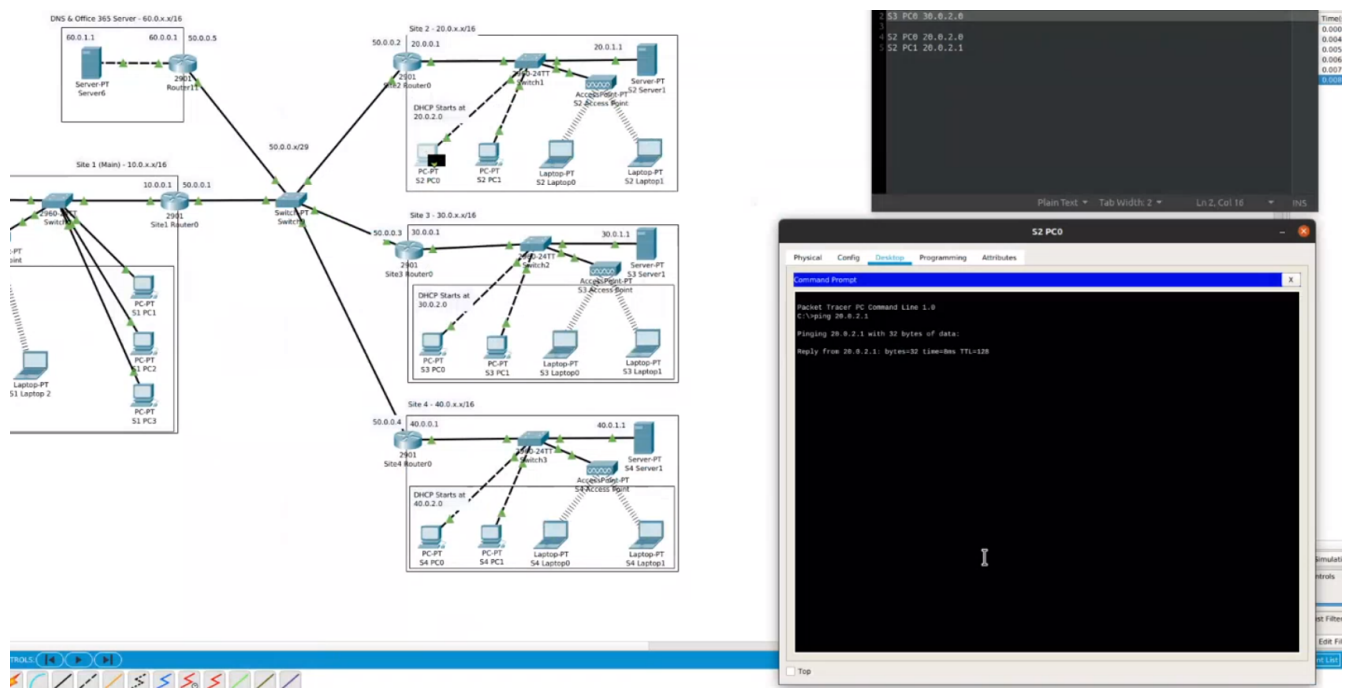
S3 PC0 → S3 PC1

30.0.2.0 → 30.0.2.1

This screenshot shows the packet reaching the target PC (S3 PC1), ready to be returned to the first PC.



Here is the returned packet shown, along with a reply in the console.



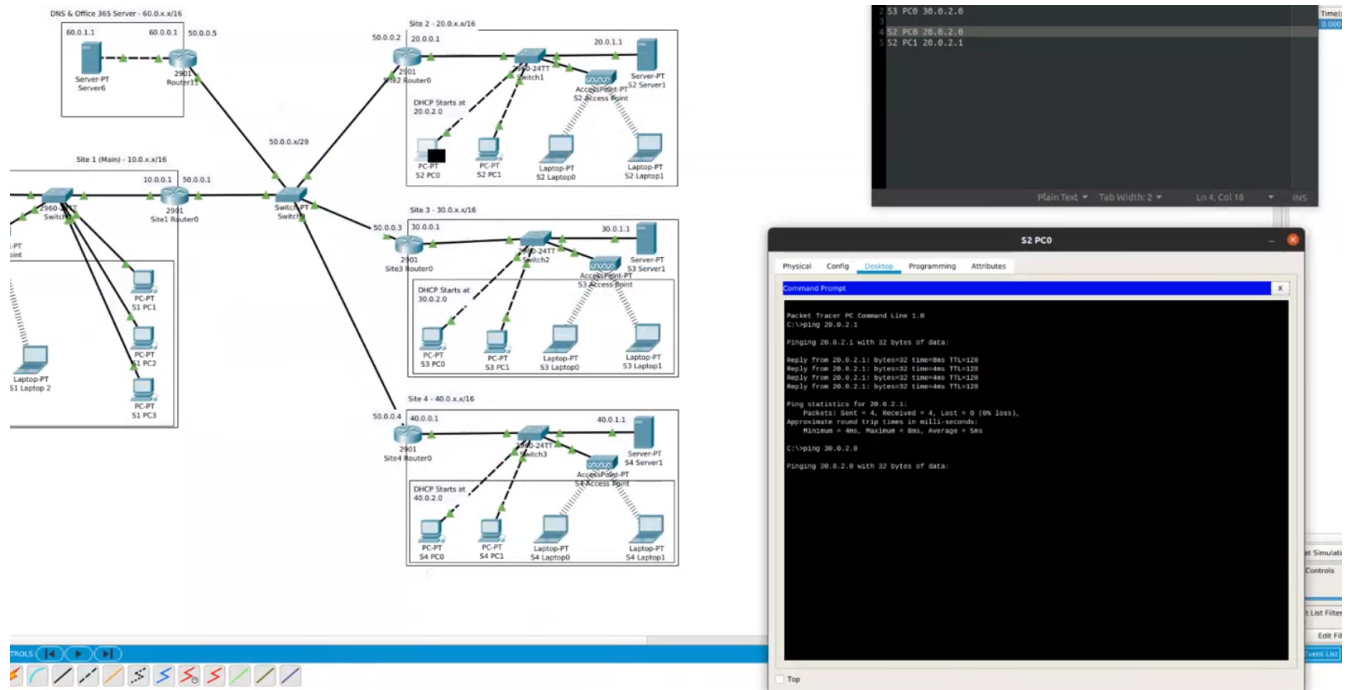
Test 3

Communication across sites (Site 2 to Site 3). This test utilises S2 PC0 and S3 PC0.

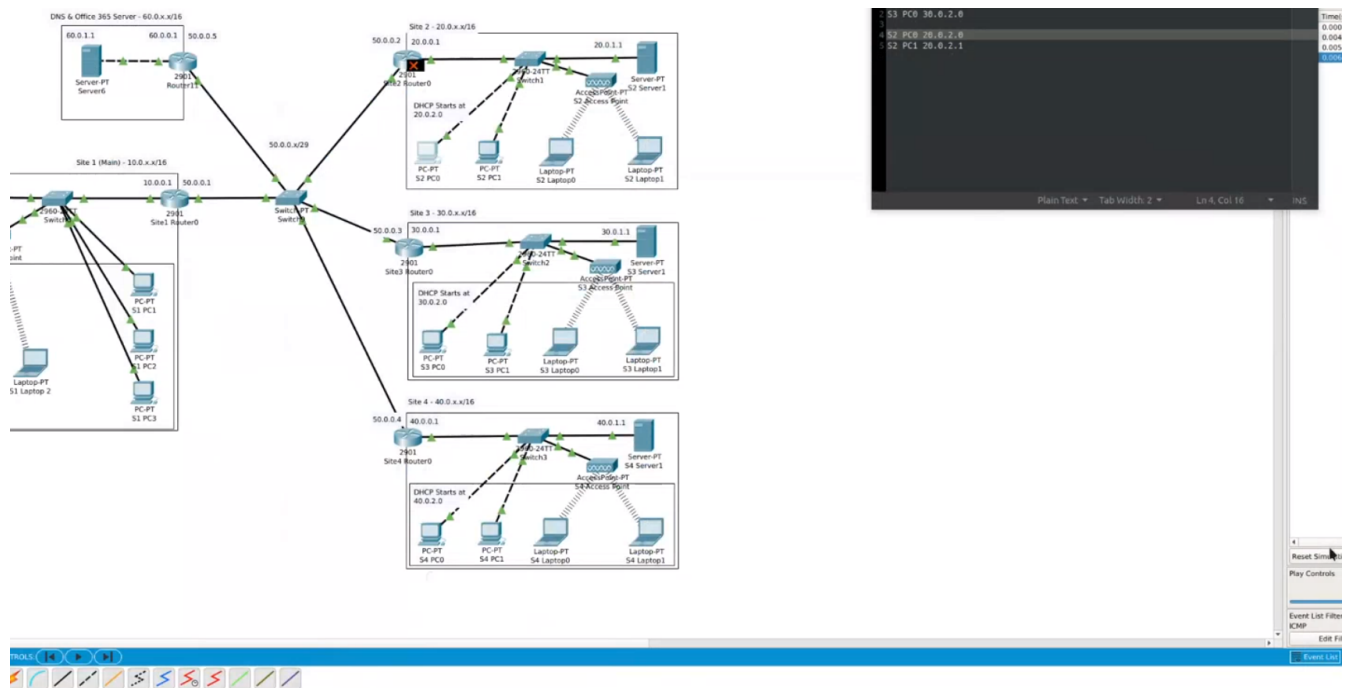
S2 PC0 → S3 PC0

20.0.2.0 → 30.0.2.0

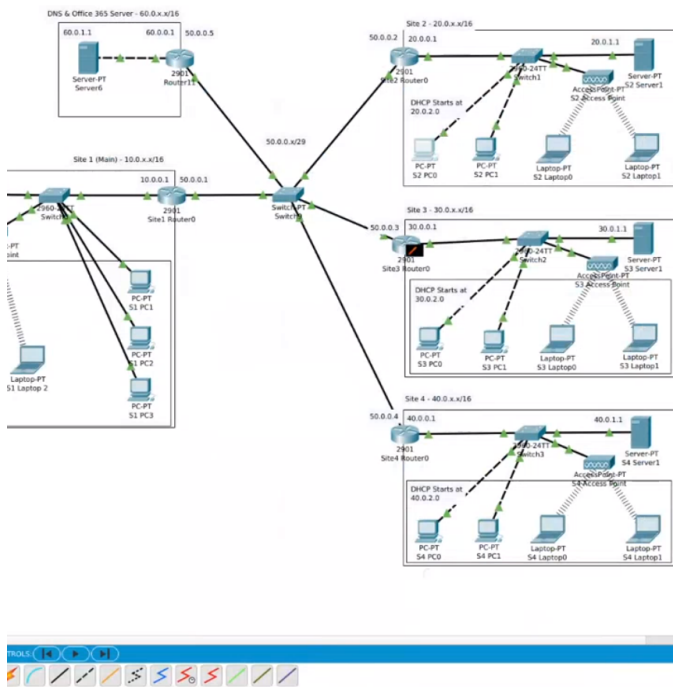
This screenshot shows the start of the test, with the ping command and the packet still at S2 PC0.



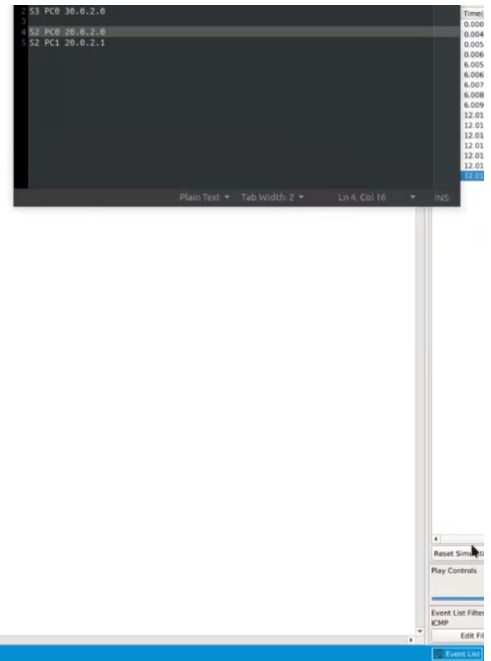
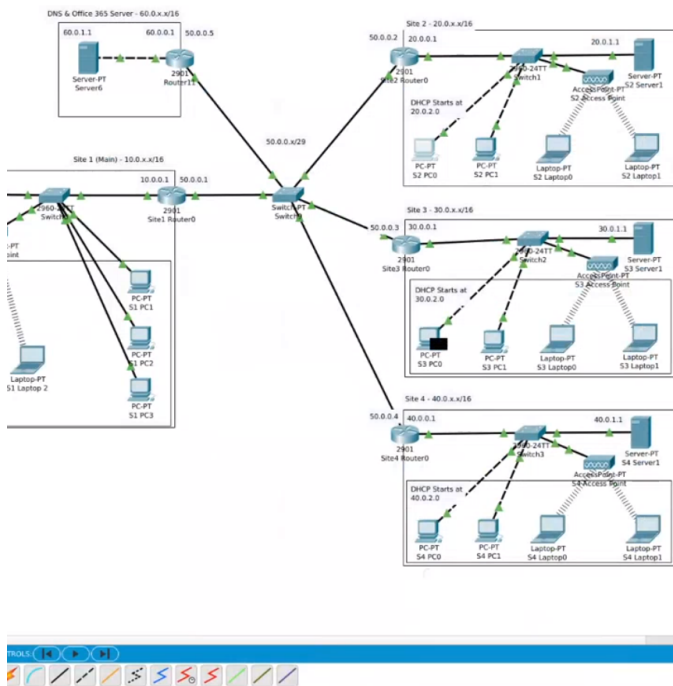
The first packet is dropped by the gateway router for Site 2.



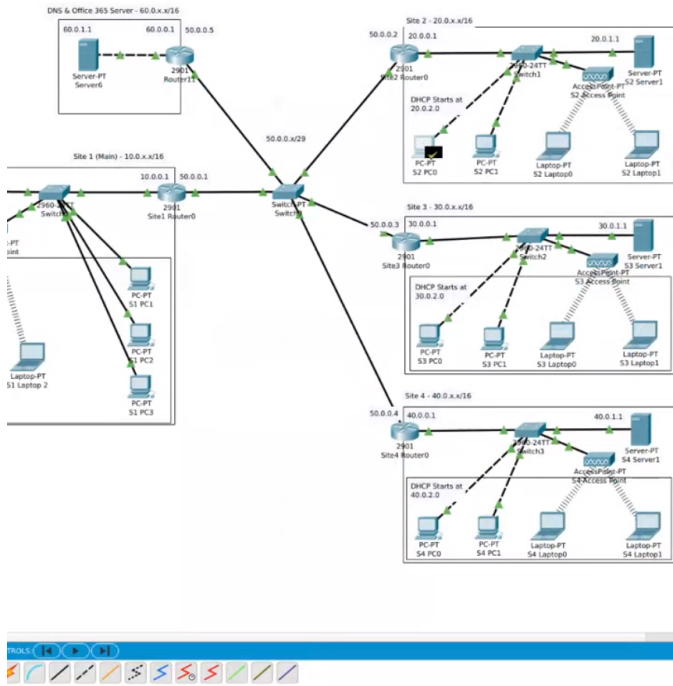
The second packet is dropped by the gateway router for Site 3.



The third packet reaches the target destination (S3 PC0).



The third packet returns correctly.



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53 PC0 30.0.2.0
53 PC0 20.0.2.0
53 PC1 20.0.2.1

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Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 20.0.2.1
Pinging 20.0.2.1 with 32 bytes of data:
Reply from 20.0.2.1: bytes=32 time=12ms TTL=120
Reply from 20.0.2.1: bytes=32 time=12ms TTL=120
Reply from 20.0.2.1: bytes=32 time=12ms TTL=120
Reply from 20.0.2.1: bytes=32 time=12ms TTL=120

Ping statistics for 20.0.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 8ms, Maximum = 8ms, Average = 8ms
C:\>ping 30.0.2.0
Pinging 30.0.2.0 with 32 bytes of data:
Request timed out.
Request timed out.
Reply from 30.0.2.0: bytes=32 time=12ms TTL=120
Reply from 30.0.2.0: bytes=32 time=12ms TTL=120

Ping statistics for 30.0.2.0:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milliseconds:
        Minimum = 12ms, Maximum = 12ms, Average = 12ms
C:\>

```