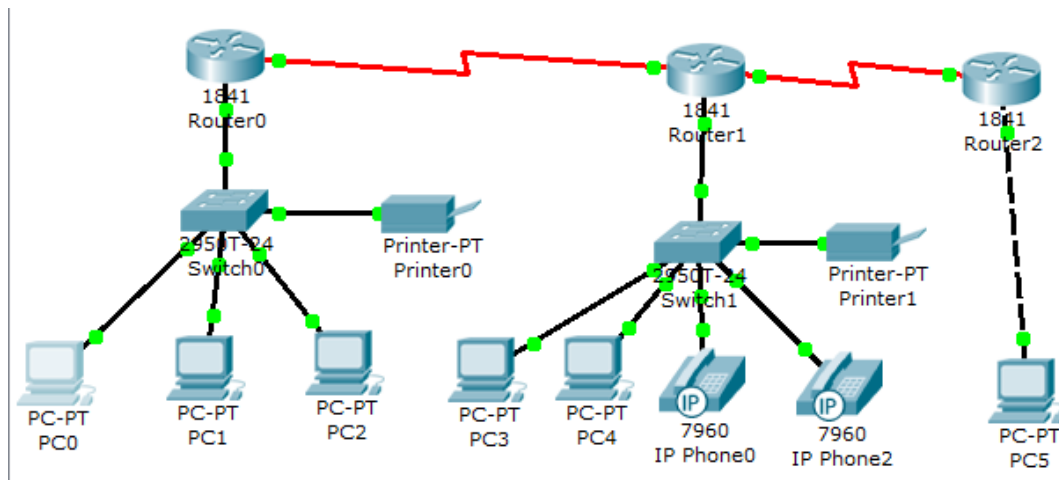


Topologia:



Al fer un ping a un pc o ordinador, d'una altra xarxa local de la nostra topologia, ens surt el següent:

```
PC>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

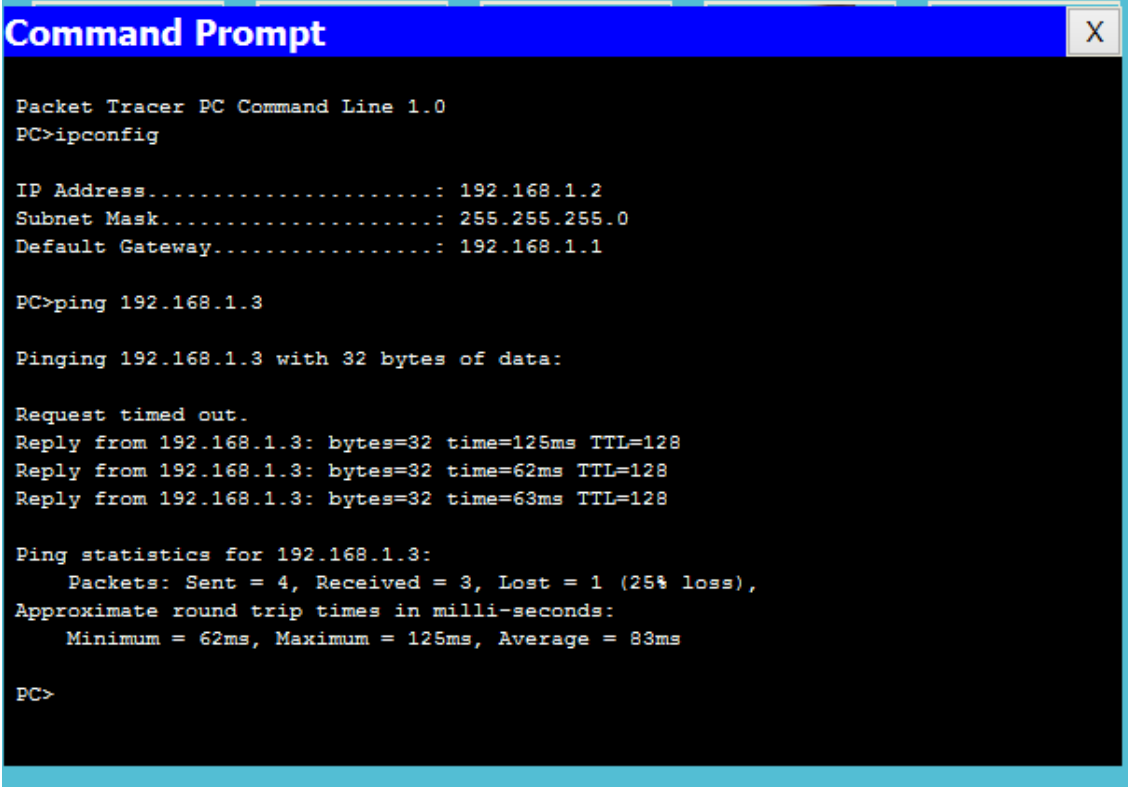
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.
Reply from 192.168.1.1: Destination host unreachable.

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Primer de tot, tenim varies xarxes locals; concretament 3.

Llavors, no podem o no ens deixa fer ping a les altres xarxes, perquè es tracten de varies xarxes independents, amb un altre rang connectades a un altre router i a Internet (red de redes), que té una ip diferent a l'altre, i que per tant no podem fer ping.

En canvi, si fem ping a un ordinador de la mateixa xarxa, si que ens deixa, com es veu a continuació.



```
Command Prompt
X

Packet Tracer PC Command Line 1.0
PC>ipconfig

IP Address.....: 192.168.1.2
Subnet Mask.....: 255.255.255.0
Default Gateway...: 192.168.1.1

PC>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.3: bytes=32 time=125ms TTL=128
Reply from 192.168.1.3: bytes=32 time=62ms TTL=128
Reply from 192.168.1.3: bytes=32 time=63ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 62ms, Maximum = 125ms, Average = 83ms

PC>
```