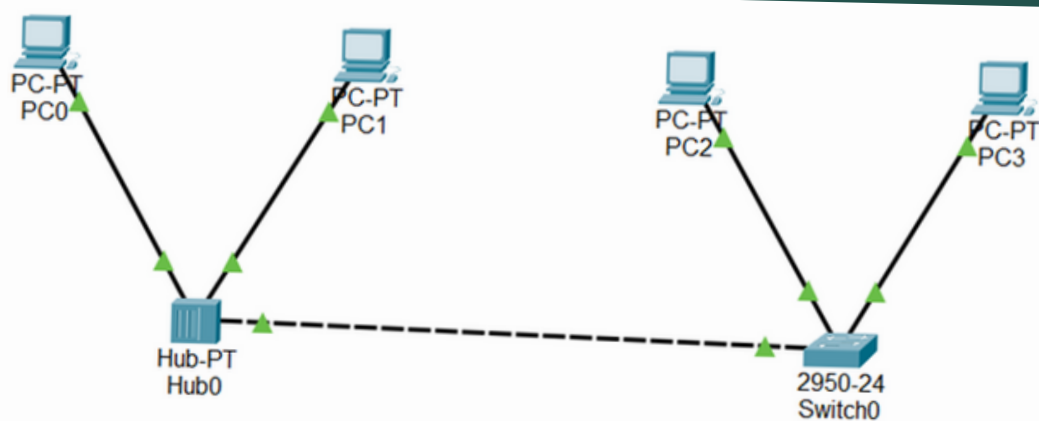


# Lab 2

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## the network



## the ping command

```
Cisco Packet Tracer PC Command Line 1.0  
C:\>ping 192.168.1.13
```

```
Pinging 192.168.1.13 with 32 bytes of data:
```

```
Reply from 192.168.1.13: bytes=32 time=4ms TTL=128  
Reply from 192.168.1.13: bytes=32 time=7ms TTL=128  
Reply from 192.168.1.13: bytes=32 time=7ms TTL=128  
Reply from 192.168.1.13: bytes=32 time=5ms TTL=128
```

```
Ping statistics for 192.168.1.13:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
    Approximate round trip times in milli-seconds:  
        Minimum = 4ms, Maximum = 7ms, Average = 5ms
```

# the ipconfig command

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: FE80::20A:F3FF:FE1E:47E1
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 192.168.1.11
    Subnet Mask . . . . .: 255.255.255.0
    Default Gateway . . . . .: ::
                                   0.0.0.0

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
```

# tracert command

```
C:\>tracert 192.168.7.13

Tracing route to 192.168.7.13 over a maximum of 30 hops:

  0  *          *          *          Request timed out.
  1  *          *          *          Request timed out.
  2  *          *          *          Request timed out.
  3  *          *          *          Request timed out.
  4  *          *          *          Request timed out.
  5  *          *          *          Request timed out.
  6  *          *          *          Request timed out.
  7  *          *          *          Request timed out.
  8  *          *          *          Request timed out.
  9  *          *          *          Request timed out.
 10 *          *          *          Request timed out.
 11 *          *          *          Request timed out.
 12 *          *          *          Request timed out.
 13 *          *          *          Request timed out.
 14 *          *          *          Request timed out.
 15 *          *          *          Request timed out.
 16 *          *          *          Request timed out.
 17 *          *          *          Request timed out.
 18 *          *          *          Request timed out.
 19 *          *          *          Request timed out.
 20 *          *          *          Request timed out.
 21 *          *          *          Request timed out.
 22 *          *          *          Request timed out.
 23 *          *          *          Request timed out.
 24 *          *          *          Request timed out.
 25 *          *          *          Request timed out.
 26 *          *          *          Request timed out.
 27 *          *          *          Request timed out.
 28 *          *          *          Request timed out.
 29 *          *          *          Request timed out.
 30 *          *          *          Request timed out.

Trace complete.
```

# the arp -a command

```
C:\>arp -a

Internet Address      Physical Address      Type
192.168.1.13         0010.11ce.920b       dynamic
```

