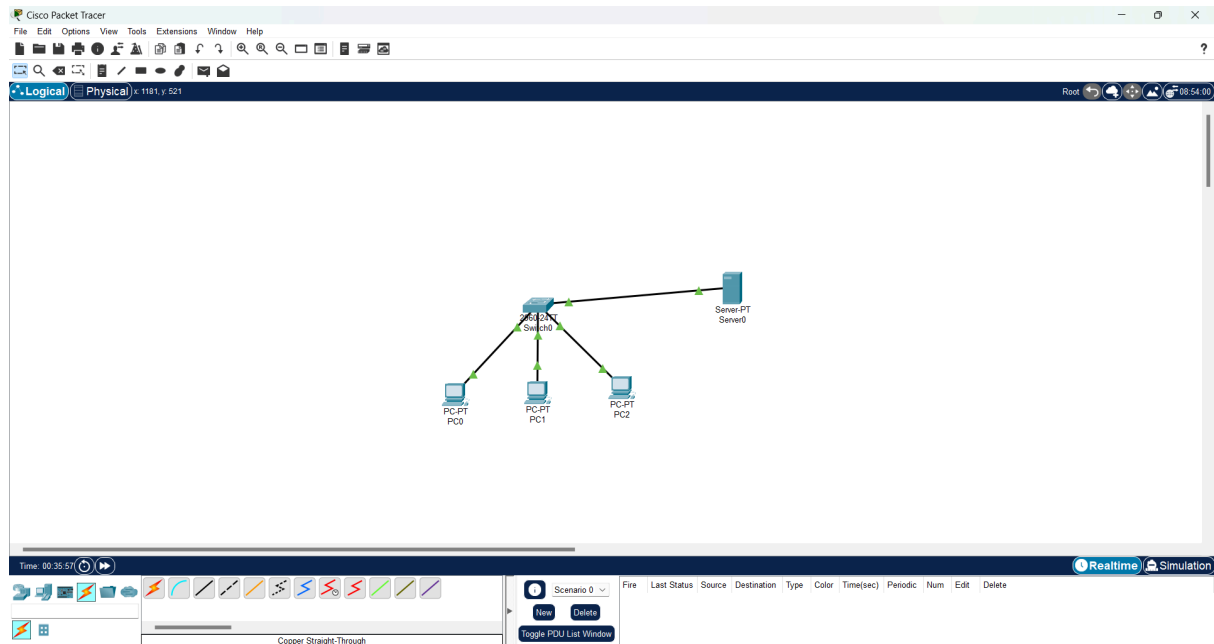


REPORT BONUS S2/L1

Obiettivo: Configurare un server DHCP per la distribuzione automatica degli indirizzi IP.

Creo la rete.



Configuro il server impostando un indirizzo IP statico che sarà il gateway della rete.

The screenshot shows the configuration window for Server0, specifically the 'Config' tab for the 'FastEthernet0' interface. The 'IP Configuration' section is highlighted with a red box, showing the following settings:

| Configuration Type | Value |
|--------------------|---------------|
| IP Configuration | Static |
| IPv4 Address | 192.168.1.1 |
| Subnet Mask | 255.255.255.0 |

Other visible settings include:

- Port Status: On
- Bandwidth: 100 Mbps
- Duplex: Full Duplex
- MAC Address: 0060.70A0.21B5
- IPv6 Configuration: Static
- IPv6 Address: (empty field)
- Link Local Address: FE80::260:70FF:FEA0:21B5

Abilito il servizio DHCP e configuro il pool DHCP.

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DHCP' service is enabled. The configuration includes the following fields:

- Interface: FastEthernet0
- Service: ☒ On
- Pool Name: serverPool1
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- Start IP Address: 192.168.1.0
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 256
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Below the configuration fields is a table showing the DHCP pool configuration:

| Pool Name | Default Gateway | DNS Server | Start IP Address | Subnet Mask | Max User | TFTP Server | WLC Address |
|-------------|-----------------|------------|------------------|---------------|----------|-------------|-------------|
| serverPool1 | 0.0.0.0 | 0.0.0.0 | 192.168.1.0 | 255.255.255.0 | 256 | 0.0.0.0 | 0.0.0.0 |
| serverPool | 0.0.0.0 | 0.0.0.0 | 192.168.1.0 | 255.255.255.0 | 512 | 0.0.0.0 | 0.0.0.0 |

Configuro i PC andando nella scheda FastEthernet0 e selezionando DHCP per ottenere automaticamente un indirizzo IP.

The screenshot shows the 'PC0' configuration window with the 'Config' tab selected. The 'FastEthernet0' interface is configured with the following settings:

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps
- Duplex: ☒ Full Duplex
- MAC Address: 0060.5CC5.DD5C

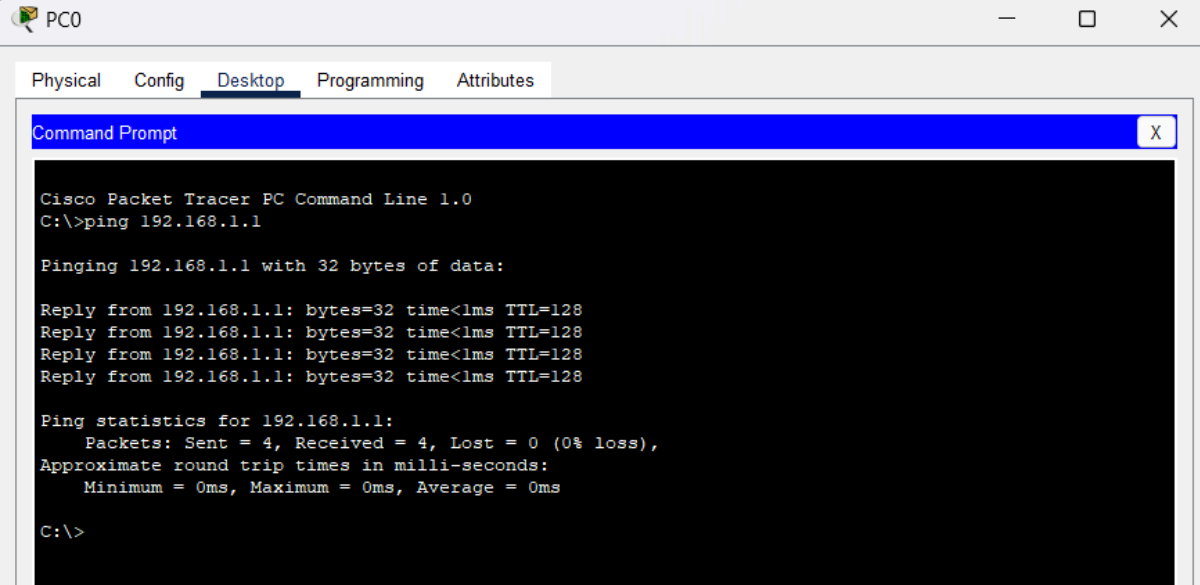
The 'IP Configuration' section is highlighted with a red box, showing the following settings:

- IP Configuration: ☒ DHCP
- Static: ☐ Static
- IPv4 Address: 192.168.1.2
- Subnet Mask: 255.255.255.0

The 'IPv6 Configuration' section shows the following settings:

- IPv6 Configuration: ☒ Static
- Automatic: ☐ Automatic
- IPv6 Address: /
- Link Local Address: FE80::260:5CFF:FEC5:DD5C

Infine, eseguo un ping verso il gateway per verificare che la connessione sia correttamente configurata.



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The command prompt shows the execution of a ping command to 192.168.1.1, resulting in four successful replies with 0ms round trip times.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```