

```
pip install scapy
```

```
Collecting scapy
  Downloading scapy-2.5.0.tar.gz (1.3 MB)
    1.3/1.3 MB 6.7 MB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Building wheels for collected packages: scapy
  Building wheel for scapy (setup.py) ... done
  Created wheel for scapy: filename=scapy-2.5.0-py2.py3-none-any.whl size=1444327 sha256=f2750e855c1d3ac8dc876ef2575ad5466883364a6757e5b
  Stored in directory: /root/.cache/pip/wheels/82/b7/03/8344d8cf6695624746311bc0d389e9d05535ca83c35f90241d
Successfully built scapy
Installing collected packages: scapy
Successfully installed scapy-2.5.0
```

```
import scapy.all as scapy
```

```
def sniff_packets(interface):
    scapy.sniff(iface=interface, store=False, prn=process_packet)
```

```
def process_packet(packet):
    if packet.haslayer(scapy.IP):
        ip_src = packet[scapy.IP].src
        ip_dst = packet[scapy.IP].dst
        protocol = packet[scapy.IP].proto
        print(f"IP Source: {ip_src} --> IP Destination: {ip_dst} Protocol: {protocol}")
```

```
sniff_packets("eth0") # Specify the interface you want to sniff on, e.g., "eth0" for Ethernet interface
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```
IP Source: 172.28.0.1 --> IP Destination: 172.28.0.12 Protocol: 6
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```