

INSTALLATION OF SCAPY

Command Prompt



```
Microsoft Windows [Version 10.0.26100.4484]  
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```

```
C:\Users\Seshukumar>python --version  
Python 3.10.11
```

```
C:\Users\Seshukumar>pip install scapy  
Collecting scapy
```

```
  Downloading scapy-2.6.1-py3-none-any.whl (2.4 MB)
```

```
  ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 2.4/2.4 MB 2.1 MB/s eta 0:00:00
```

```
Installing collected packages: scapy  
Successfully installed scapy-2.6.1
```

```
[notice] A new release of pip is available: 23.0.1 -> 25.1.1
```

```
[notice] To update, run: python.exe -m pip install --upgrade pip
```

```
C:\Users\Seshukumar>|
```

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```
C:\Users\Seshukumar>scapy
INFO: Can't import PyX. Won't be able to use psdump() or pdfdump().
INFO: Can't import python-cryptography v1.7+. Disabled PKI & TLS crypto-related features.
INFO: Can't import python-cryptography v1.7+. Disabled WEP decryption/encryption. (Dot11)
INFO: Can't import python-cryptography v1.7+. Disabled IPsec encryption/authentication.
WARNING: No alternative Python interpreters found ! Using standard Python shell instead.
INFO: Using the default Python shell: History, Colors are disabled.
```

```
      aSPY//YASa
    apyyyyCY////////YCa
  sY////////YSpCs  scpCY//Pp
ayp ayyyyyySCP//Pp      syY//C
AYAsAYYYYYYYY//Ps      cY//S
  pCCCCY//p      cSSps y//Y
  SPPPP//a      pP///AC//Y
    A//A      cyP///C
    p///Ac      sC///a
    P///YCpc      A//A
  sccccp///pSP///p      p//Y
sY/////////y  caa      S//P
cayCyayP//Ya      pY/Ya
  sY/PsY////YCc      aC//Yp
  sc  sccaCY//PCypaapyCP//YSs
    spCPY////////YPSps
      ccaacs
```

```
| Welcome to Scapy
| Version 2.6.1
|
| https://github.com/secdev/scapy
|
| Have fun!
|
| We are in France, we say Skappee.
| OK? Merci.
|
| -- Sebastien Chabal
```

CREATE AND EXECUTION OF PACKAGE

ccaacs

[illegible]

OUTPUT IMAGES OF PYTHON SCAPY FILES

network_sniffer.py

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Seshukumar\OneDrive\Desktop\CODE_ALPHA-INTERN> python network_sniffer.py
Starting network sniffer on interface: 'Realtek RTL8821CE 802.11ac PCIe Adapter'
Capturing 10 packets (or press Ctrl+C to stop if count is 0)...
-----
--- New Packet ---
Ethernet Layer:
  Source MAC: f6:a5:b3:54:21:35
  Destination MAC: 14:13:33:5e:f1:cb
  Type: 34525
IP Layer (IPv6):
  Source IP: 2404:6800:4009:82a::2001
  Destination IP: 2401:4900:4fe8:dc1f:90b0:32da:796b:aeffb
  Next Header (Protocol): 6 (TCP)
TCP Layer:
  Source Port: 443
  Destination Port: 50180
  Flags: PA
  Payload (TCP): b'\x17\x03\x03\xcc\xd0\xf7\x05\xab\x17\xd9yu\x10\xbc)\xbd{\x8e\xb71G\xe6\xf2\xc2\xcc\x1b\x8aX[\xf2\xa2g\xd0\xf8\xf2\xaa5#\x8d\xd5P\xef
v\x06\xea\x1d\x84\xf1\x99\xde\xe1\x04\xf6Y'
Raw Payload:
  3yu){1G.x

Sniffing finished.
PS C:\Users\Seshukumar\OneDrive\Desktop\CODE_ALPHA-INTERN>
```

scapy_ping.py

```
Sniffing finished.
```

```
PS C:\Users\Seshukumar\OneDrive\Desktop\CODE_ALPHA-INTERN> python scapy_ping.py
```

```
Attempting to ping 8.8.8.8...
```

```
-----
```

```
Crafted Packet Summary:
```

```
--- Response Received ---
```

```
Received ICMP Echo Reply from: 8.8.8.8
```

```
Round Trip Time (RTT) is not directly calculated by sr1,  
but the successful reply indicates connectivity.
```

```
PS C:\Users\Seshukumar\OneDrive\Desktop\CODE_ALPHA-INTERN>
```