

```

(kali@kali)-[~]
$ sudo su
[sudo] password for kali:
(kali@kali)-[/home/kali]
# sudo apt update
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [20.2 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [48.1 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [112 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [272 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [197 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [876 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [10.8 kB]
Fetched 69.8 MB in 1min 3s (1,103 kB/s)
1122 packages can be upgraded. Run 'apt list --upgradable' to see them.

```

```

(kali@kali)-[/home/kali]
# sudo apt install python3-scapy
python3-scapy is already the newest version (2.5.0+git20240324.2b58b51-dfsg-2).
The following packages were automatically installed and are no longer required:
 fonts-liberation2 libgail-common libgtk2.0-bin libplist3 libusbmuxd6 python3-pendulum rwhod
 hydra-gtk libgail18t64 libgtk2.0-common libpnm1 openjdk-17-jre python3-pluggy samba-ad-provision
 ibverbs-providers libgeos3.12.1t64 libibverbs1 libpostproc57 openjdk-17-jre-headless python3-pytdat samba-dsdb-modules
 libassuan0 libgfpio libimobiledevice6 libpython3.11-dev python3-diskcache python3-setuptools scm samba-vfs-modules
 libavfilter9 libgfrpc0 libiniiparser1 librados2 python3-hatch-vcs python3-trove-classifiers
 libboost-iostreams1.83.0 libgfrpc0 libjsncpp25 python3-hatchling python3.11
 libboost-thread1.83.0 libgusterfs0 libmfx1 libr2-10 python3-lib2to3 python3.11-dev
 libcephfs2 libgspell-1-2 libndctl6 libroc0.3 python3-mistune0 python3.11-minimal
 libdaxctl1 libgtk2.0-0t64 libplacebo338 libu2f-udev python3-pathspect rwho
Use 'sudo apt autoremove' to remove them.
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1122

```

```

(kali@kali)-[/home/kali]
# pip3 show scapy
Name: scapy
Version: 2.5.0+git20240324.2b58b51
Summary: Scapy: interactive packet manipulation tool
Home-page: https://scapy.net
Author: Philippe BIONDI
Author-email:
License: GPL-2.0-only
Location: /usr/lib/python3/dist-packages
Requires:
Required-by:

```

```

(kali@kali)-[/home/kali]
# sudo apt install python3-venv
python3-venv is already the newest version (3.12.6-1).
The following packages were automatically installed and are no longer required:
 fonts-liberation2 libgail-common libgtk2.0-bin libplist3 libusbmuxd6 python3-pendulum rwhod
 hydra-gtk libgail18t64 libgtk2.0-common libpnm1 openjdk-17-jre python3-pluggy samba-ad-provision
 ibverbs-providers libgeos3.12.1t64 libibverbs1 libpostproc57 openjdk-17-jre-headless python3-pytdat samba-dsdb-modules
 libassuan0 libgfpio libimobiledevice6 libpython3.11-dev python3-diskcache python3-setuptools scm samba-vfs-modules
 libavfilter9 libgfrpc0 libiniiparser1 librados2 python3-hatch-vcs python3-trove-classifiers
 libboost-iostreams1.83.0 libgfrpc0 libjsncpp25 python3-hatchling python3.11
 libboost-thread1.83.0 libgusterfs0 libmfx1 libr2-10 python3-lib2to3 python3.11-dev
 libcephfs2 libgspell-1-2 libndctl6 libroc0.3 python3-mistune0 python3.11-minimal
 libdaxctl1 libgtk2.0-0t64 libplacebo338 libu2f-udev python3-pathspect rwho
Use 'sudo apt autoremove' to remove them.
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1122
Requirement already satisfied: scapy in ./myenv/lib/python3.12/site-packages (2.6.0)

```

```
(myenv)-(root@kali)-[/home/kali]
# sudo apt install python3-venv
python3 -m venv myenv
source myenv/bin/activate
pip install scapy

python3-venv is already the newest version (3.12.6-1).
The following packages were automatically installed and are no longer required:
 fonts-liberation2 libgail-common libgtk2.0-bin libplist3 libusbmuxd6 python3-pendulum rwhod
 hydra-gtk libgail18t64 libgtk2.0-common libpmem1 openjdk-17-jre python3-pluggy samba-ad-provision
 ibverbs-providers libgeos3.12.1t64 libibverbs1 libpostproc57 openjdk-17-jre-headless python3-pytdzdata samba-dsdb-modules
 libassuan0 libgfat10 libimobiledevice6 libpython3.11-dev python3-diskcache python3-setuptools-scm samba-vfs-modules
 libavfilter9 libgfrpc0 libiniparser1 librados2 python3-hatch-vcs python3-trove-classifiers
 libboost-iostreams1.83.0 libgfxdr0 libjsoncpp25 librdmacm1t64 python3-hatchling python3.11
 libboost-thread1.83.0 libglusterfs0 libmfx1 libre2-10 python3-lib2to3 python3.11-dev
 libcephfs2 libgsPELL-1-2 libndctl6 libroc0.3 python3-mistune0 python3.11-minimal
 libdaxctl1 libgtk2.0-0t64 libplacebo338 libu2f-udev python3-pathspect rwho
Use 'sudo apt autoremove' to remove them.

Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1122
Requirement already satisfied: scapy in ./myenv/lib/python3.12/site-packages (2.6.0)
```

```
(myenv)-(root@kali)-[/home/kali]
# sudo python3 sniffer.py

Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IP / UDP / DNS Qry b'_googlecast._tcp.local.'
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IP / UDP 192.168.93.10:6771 > 239.192.152.143:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / ARP who has 192.168.93.10 says 192.168.93.35 / Padding
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IP / UDP 192.168.93.10:6771 > 239.192.152.143:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
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Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
Ether / IP / UDP 192.168.93.10:6771 > 239.192.152.143:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
```

```
Ether / IP / UDP 192.168.93.10:6771 > 239.192.152.143:6771 / Raw
Ether / IPv6 / UDP 2409:40f2:102a:6186:4fb:92f:c9c0:a2ac:6771 > ff15::efc0:988f:6771 / Raw
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Ether / IPv6 / ICMPv6ND_NS / ICMPv6 Neighbor Discovery Option - Source Link-Layer Address d6:1d:ff:dc:5f:71
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```