

USING TRACEROUTE IN LINUX

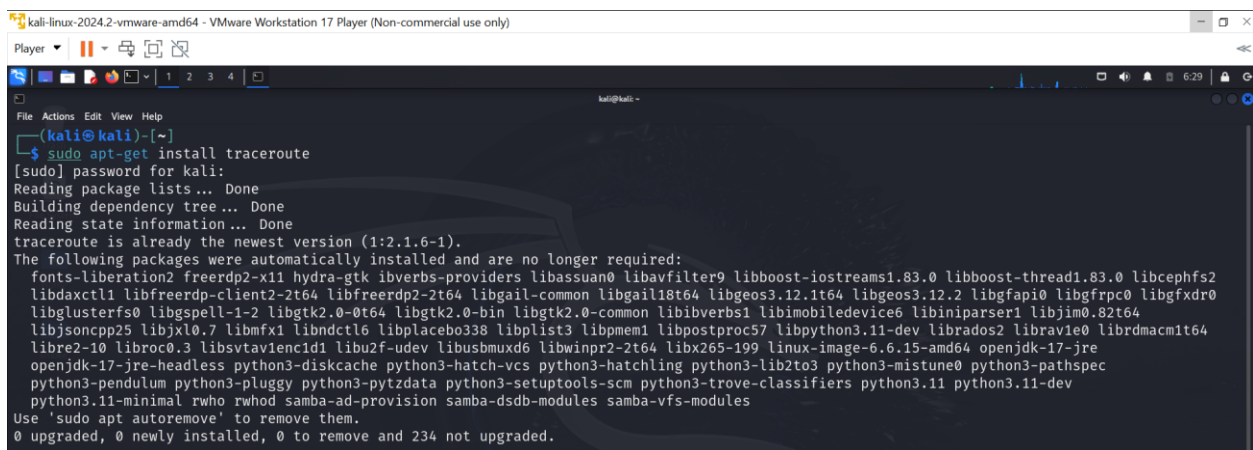
TOOL: TRACEROUTE

traceroute is a network diagnostic tool used to track the path that data packets take from one computer to another over the internet or a network. It shows the route and measures the transit delays of packets across the network.

Task 1

Installation of traceroute on kali Linux by typing this command in your terminal :

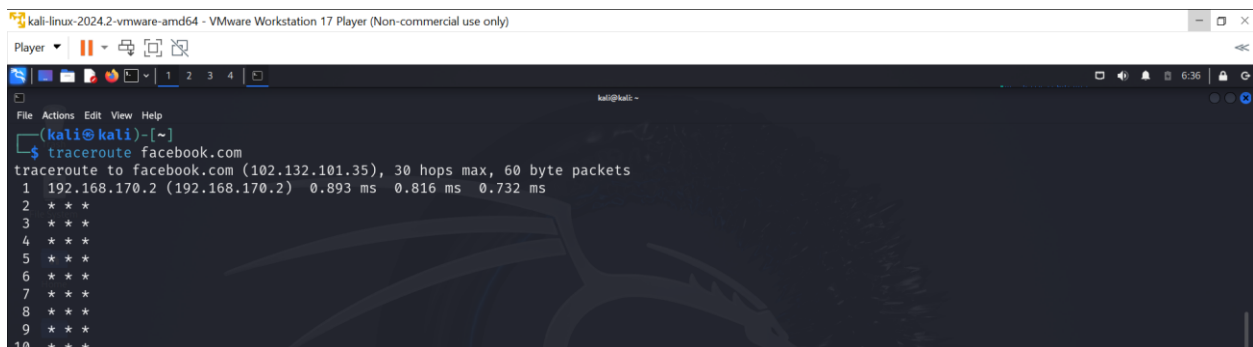
sudo apt-get install traceroute



```
(kali@kali)-[~]
$ sudo apt-get install traceroute
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
traceroute is already the newest version (1:2.1.6-1).
The following packages were automatically installed and are no longer required:
 fonts-liberation2 freerdp2-x11 hydra-gtk libverbs-providers libassuan0 libavfilter9 libboost-iostreams1.83.0 libboost-thread1.83.0 libcephfs2
 libdaxctl1 libfreerdp-client2-2t64 libfreerdp2-2t64 libgail-common libgail18t64 libgeos3.12.1t64 libgeos3.12.2 libgfsapi0 libgfrpc0 libgfxdr0
 libglusterfs0 libgspell-1-2 libgtk2.0-0t64 libgtk2.0-bin libgtk2.0-common libibverbs1 libimobiledevice6 libiniparser1 libjim0.82t64
 libjsoncpp25 libjxl0.7 libmfx1 libndctl6 libplacebo338 libplist3 libpmem1 libpostproc57 libpython3.11-dev librados2 librav1e0 librdmacm1t64
 libre2-10 libroc0.3 libsvtav1enc1d1 libu2f-udev libusbmuxd6 libwinpr2-2t64 libx265-199 linux-image-6.6.15-amd64 openjdk-17-jre
 openjdk-17-jre-headless python3-diskcache python3-hatch-vcs python3-hatchling python3-lib2to3 python3-mistune0 python3-pathspect
 python3-pendulum python3-pluggy python3-pytdzdata python3-setuptools-scm python3-trove-classifiers python3.11 python3.11-dev
 python3.11-minimal rwho rwho-d samba-ad-provision samba-dsdb-modules samba-vfs-modules
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 234 not upgraded.
```

After installing of traceroute, we will now target a site with this command:

traceroute facebook.com

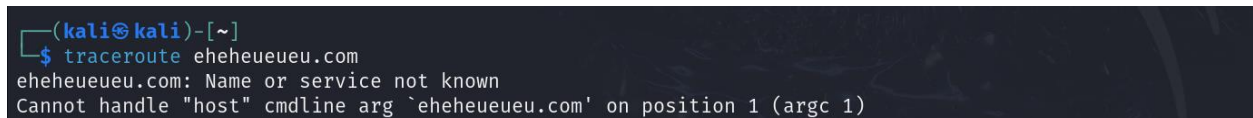


```
(kali@kali)-[~]
$ traceroute facebook.com
traceroute to facebook.com (102.132.101.35), 30 hops max, 60 byte packets
 1  192.168.170.2 (192.168.170.2)  0.893 ms  0.816 ms  0.732 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
```

Task 2

Traceroute is also useful for determining if a host is up. For example, try targeting the following host:

traceroute eheheueueu.com



```
(kali@kali)-[~]
$ traceroute eheheueueu.com
eheheueueu.com: Name or service not known
Cannot handle "host" cmdline arg `eheheueueu.com' on position 1 (argc 1)
```

