

LAB 11:

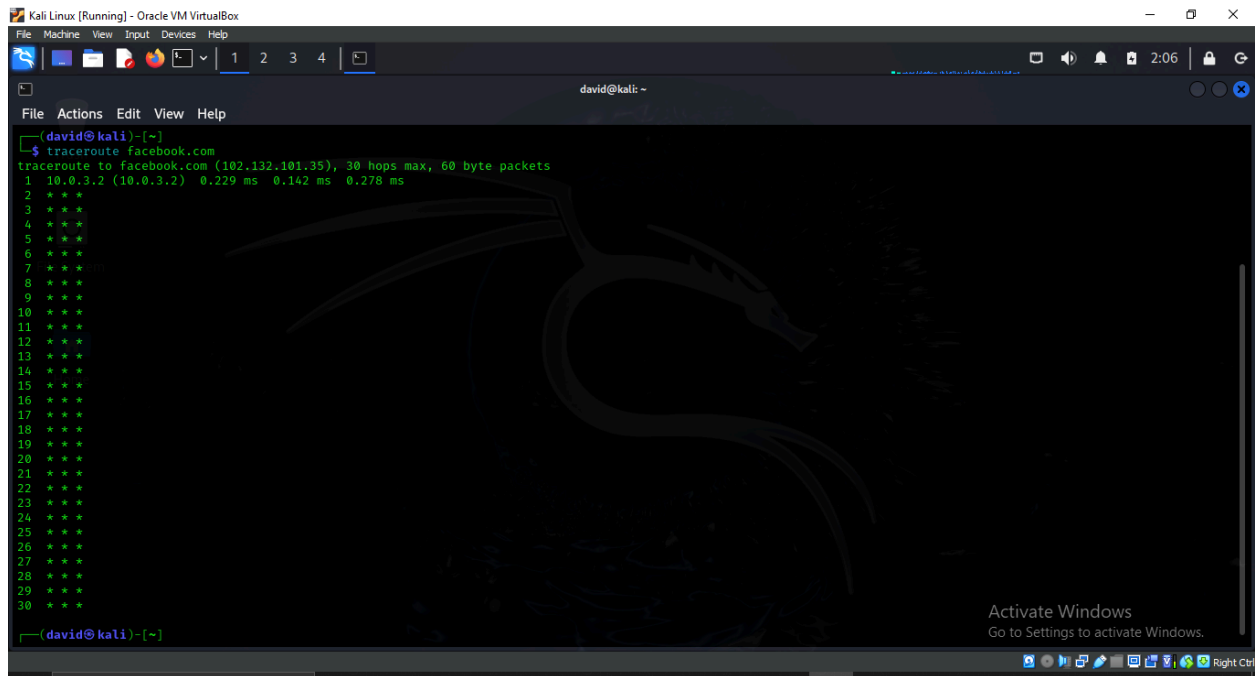
Using Traceroute in Linux

Tool: Kali Linux

Task 1: To install traceroute on Kali Linux, simply open a terminal and type the following:
`sudo apt-get install traceroute`

We will begin by targeting a big site such as “facebook.com”. Type the following:

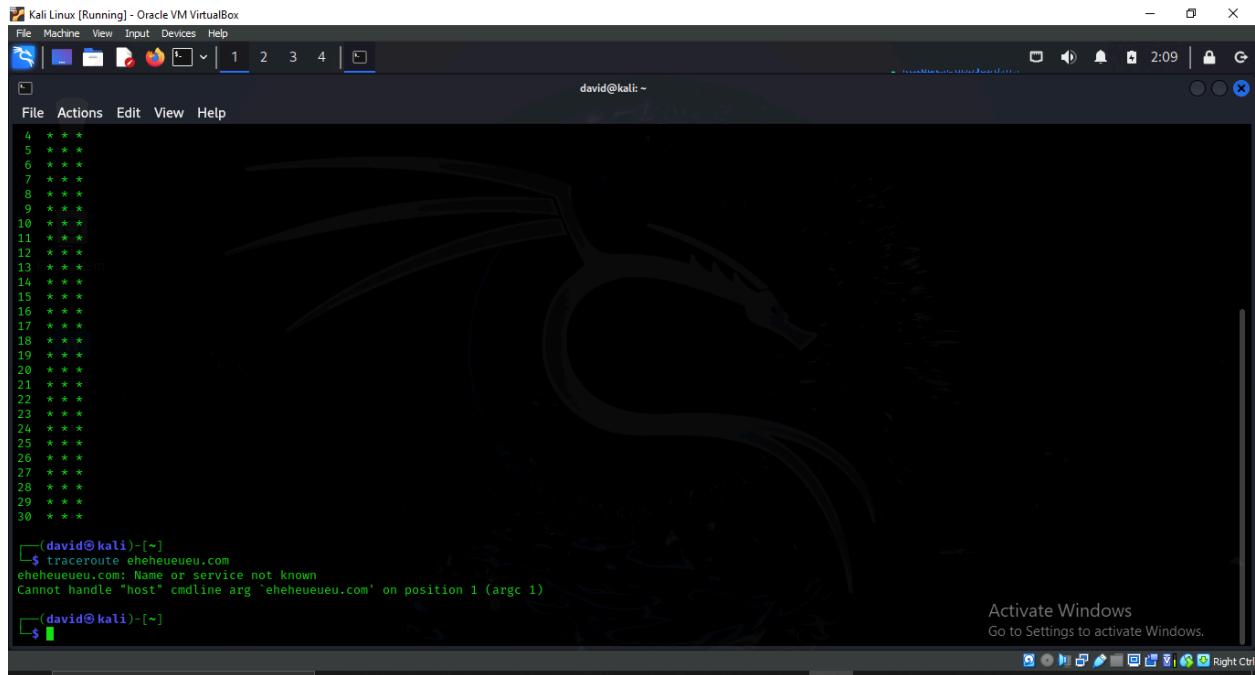
`traceroute facebook.com`



The screenshot shows a Kali Linux terminal window titled "Kali Linux [Running] - Oracle VM VirtualBox". The terminal displays the command `traceroute facebook.com` and its output. The output shows the path from the local host (10.0.3.2) to facebook.com (102.132.101.35), with 30 hops max and 60 byte packets. The first hop is 10.0.3.2 (10.0.3.2) with 0.229 ms, 0.142 ms, and 0.278 ms. The subsequent 29 hops are marked with asterisks, indicating that the traceroute did not reach the destination. The terminal also shows the prompt `(david@kali)~` and the status bar at the bottom indicates "Activate Windows" and "Go to Settings to activate Windows."

```
(david@kali)~$ traceroute facebook.com
traceroute to facebook.com (102.132.101.35), 30 hops max, 60 byte packets
 1  10.0.3.2 (10.0.3.2)  0.229 ms  0.142 ms  0.278 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
17  * * *
18  * * *
19  * * *
20  * * *
21  * * *
22  * * *
23  * * *
24  * * *
25  * * *
26  * * *
27  * * *
28  * * *
29  * * *
30  * * *
```

Task 2: Traceroute is also useful for determining if a host is up. For example, try targeting the following host:
traceroute eheheueueu.com



```
Kali Linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4
david@kali: ~
File Actions Edit View Help
4 ****
5 ****
6 ****
7 ****
8 ****
9 ****
10 ****
11 ****
12 ****
13 ****
14 ****
15 ****
16 ****
17 ****
18 ****
19 ****
20 ****
21 ****
22 ****
23 ****
24 ****
25 ****
26 ****
27 ****
28 ****
29 ****
30 ****

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

(david@kali)-[~]
$
```

Activate Windows
Go to Settings to activate Windows.