RECON-NG

1. Open Terminal

First, open your terminal application in Kali Linux.

2. Install Recon-ng

You will need to clone the Recon-ng repository from GitHub to install it. Run the following command in your terminal:

git clone https://github.com/lanmaster53/recon-ng.git

3. Run the Tool

Once the installation is complete, navigate into the new directory and start the tool:

cd recon-ng
./recon-ng

4. Create a Workspace

It's good practice to create a separate workspace for each target to keep your findings organized. Use the following command to create one:

workspaces create testspace

5. Search the Marketplace

Next, you need to find modules to gather information. You can search the marketplace for available modules:

marketplace search

6. Install a Module

For this example, you will install the hackertarget module, which is used for finding hosts and subdomains.

marketplace install recon/domains-hosts/hackertarget

7. Load the Module

After installing the module, load it into your current workspace so you can use it:

modules load recon/domains-hosts/hackertarget

8. Set the Target Domain

Now, you need to tell the module which domain to investigate. The document uses tesla.com as an example.

options set SOURCE tesla.com

9. Run the Module

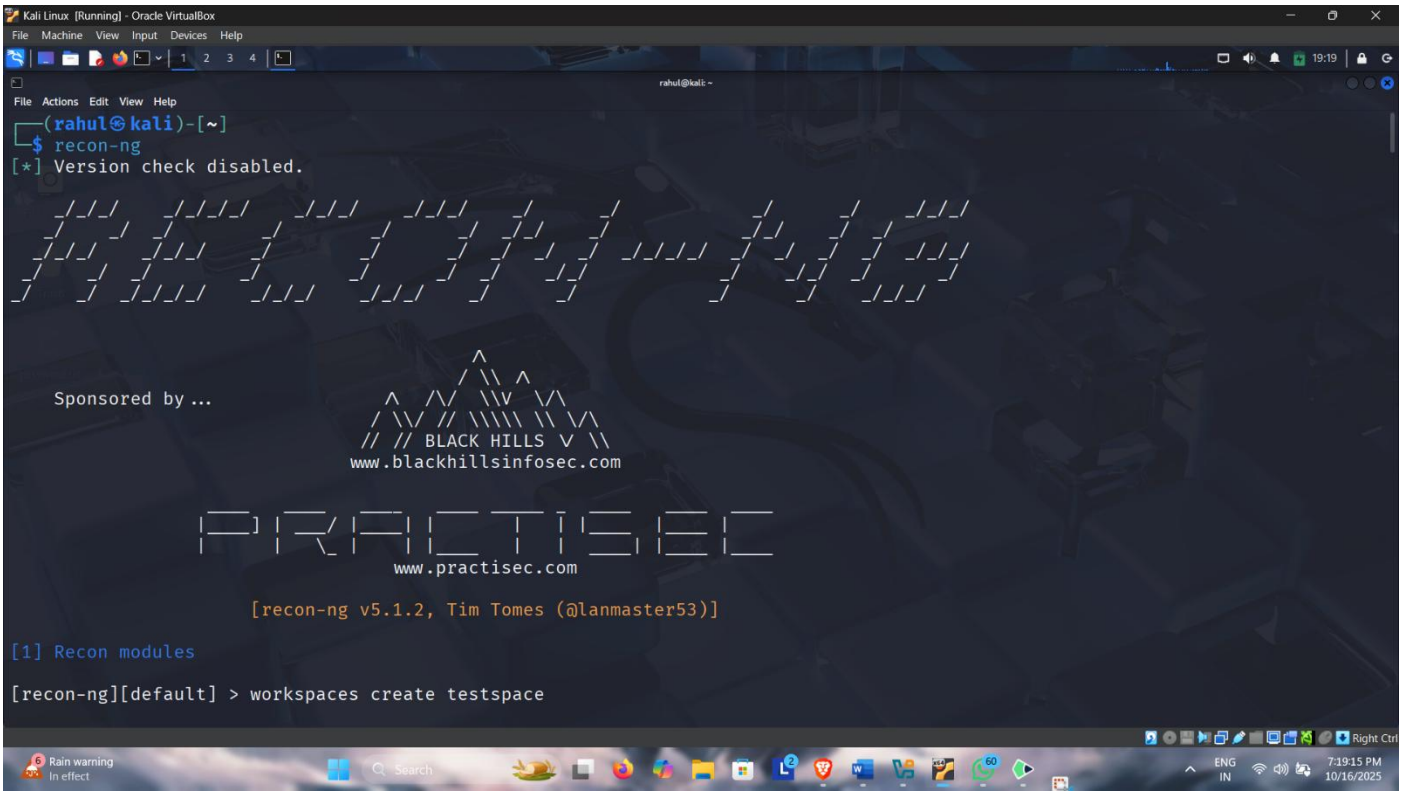
With the target set, execute the module to begin gathering information:

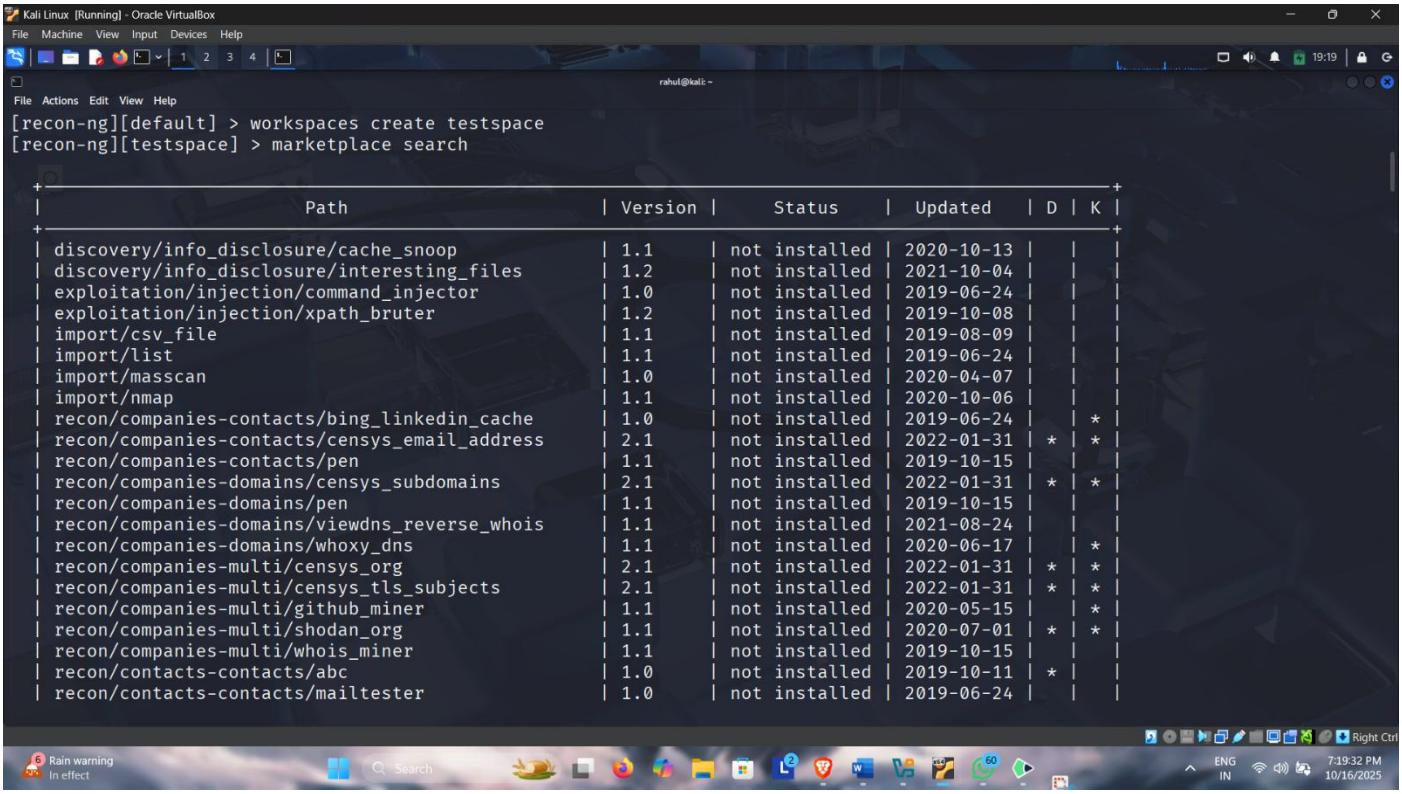
run

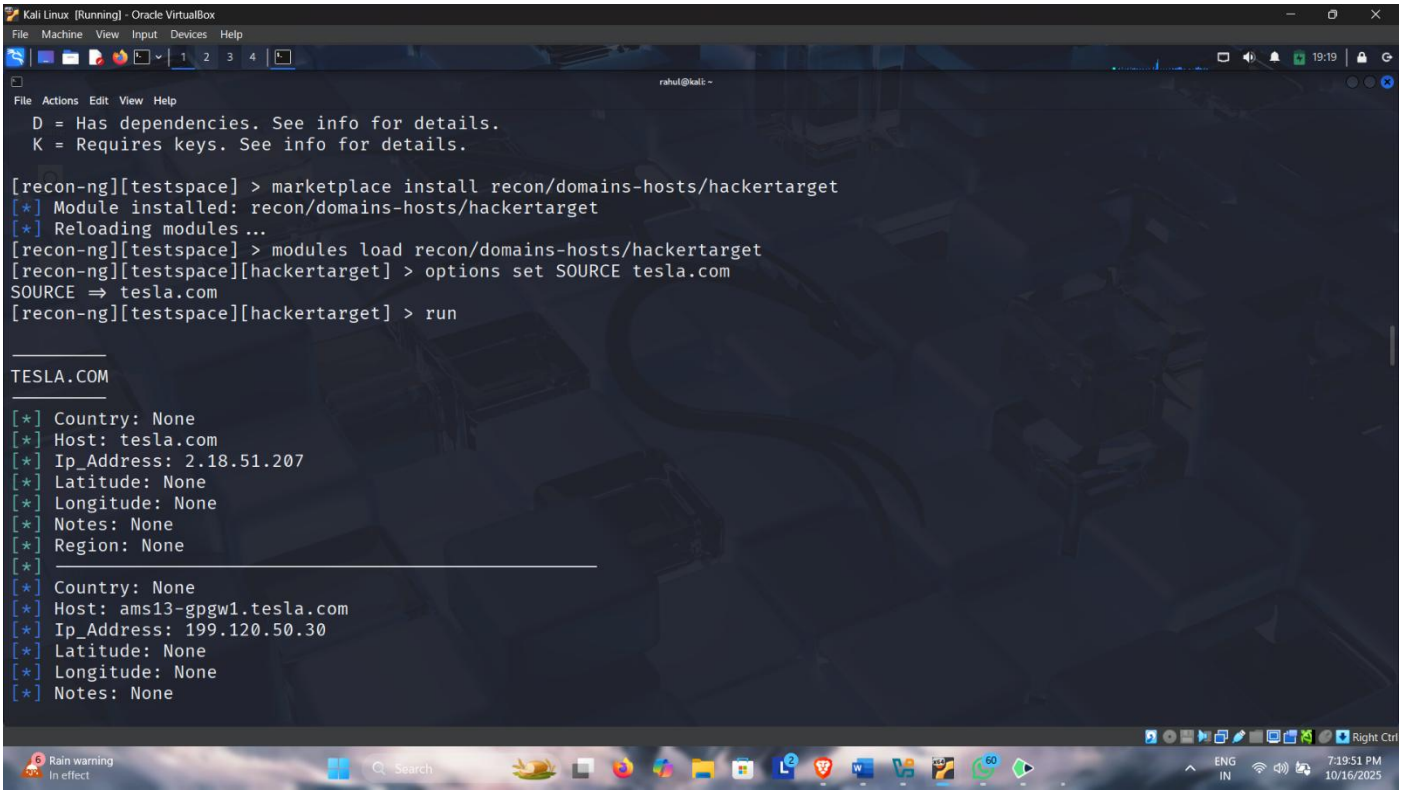
The tool will now connect to HackerTarget's API to find subdomains for the target you set.

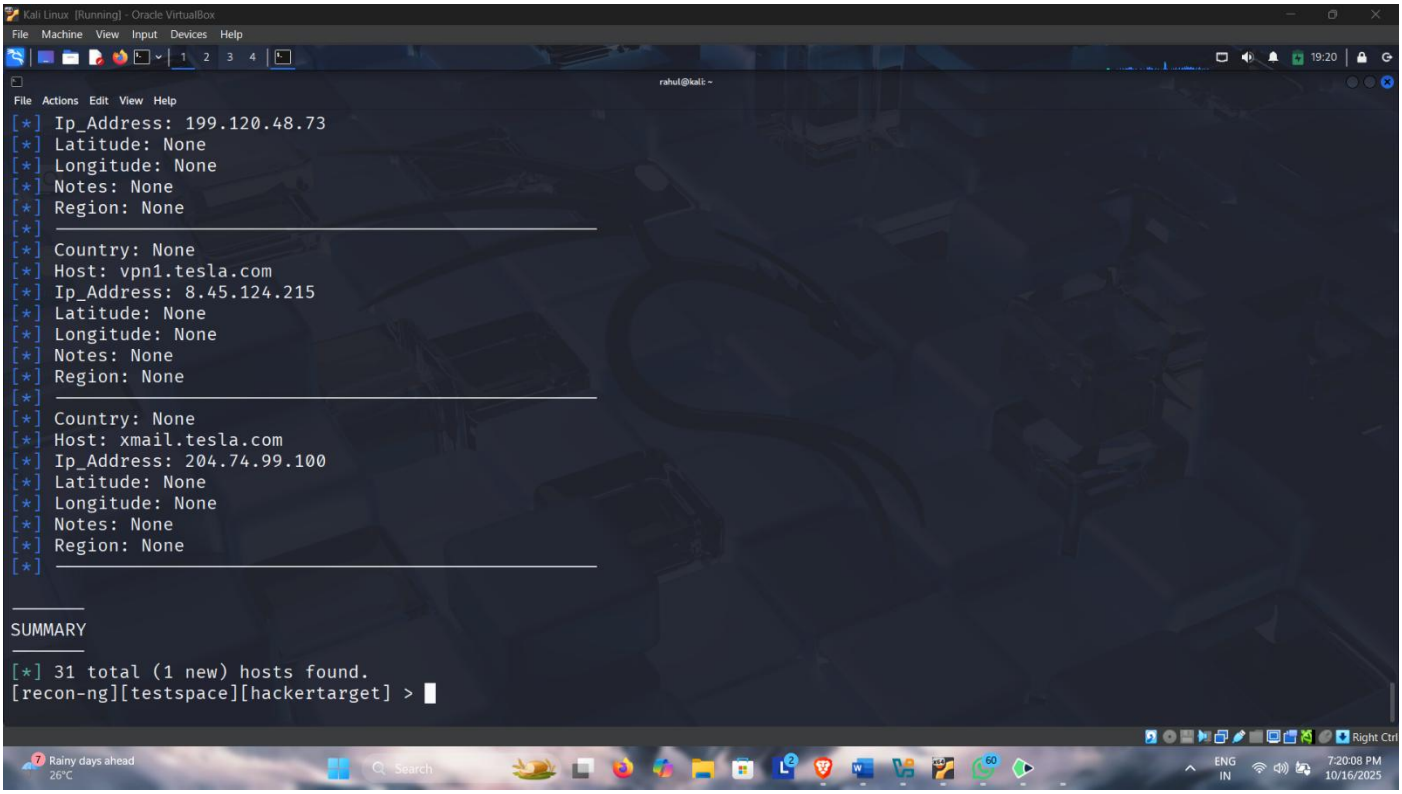
10. View Collected Data

After the module finishes running, the collected data is stored in the workspace's database, which you can then query to view your findings.




Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
rahul@kali: ~
File Actions Edit View Help
[recon-ng][default] > workspaces create testspace
[recon-ng][testspace] > marketplace search
Path	Version	Status	Updated	D	K
discovery/info_disclosure/cache_snoop	1.1	not installed	2020-10-13		
discovery/info_disclosure/interesting_files	1.2	not installed	2021-10-04		
exploitation/injection/command_injector	1.0	not installed	2019-06-24		
exploitation/injection/xpath_bruter	1.2	not installed	2019-10-08		
import/csv_file	1.1	not installed	2019-08-09		
import/list	1.1	not installed	2019-06-24		
import/masscan	1.0	not installed	2020-04-07		
import/nmap	1.1	not installed	2020-10-06		
recon/companies-contacts/bing_linkedin_cache	1.0	not installed	2019-06-24		*
recon/companies-contacts/censys_email_address	2.1	not installed	2022-01-31	*	*
recon/companies-contacts/pen	1.1	not installed	2019-10-15		
recon/companies-domains/censys_subdomains	2.1	not installed	2022-01-31	*	*
recon/companies-domains/pen	1.1	not installed	2019-10-15		
recon/companies-domains/viewdns_reverse_whois	1.1	not installed	2021-08-24		
recon/companies-domains/whoxy_dns	1.1	not installed	2020-06-17		*
recon/companies-multi/censys_org	2.1	not installed	2022-01-31	*	*
recon/companies-multi/censys_tls_subjects	2.1	not installed	2022-01-31	*	*
recon/companies-multi/github_miner	1.1	not installed	2020-05-15		*
recon/companies-multi/shodan_org	1.1	not installed	2020-07-01	*	*
recon/companies-multi/whois_miner	1.1	not installed	2019-10-15		
recon/contacts-contacts/abc	1.0	not installed	2019-10-11	*	
recon/contacts-contacts/mailtester	1.0	not installed	2019-06-24		
Rain warning
In effect
ENG
IN
7:19:32 PM
10/16/2025


Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
rahul@kali: ~
File Actions Edit View Help
D = Has dependencies. See info for details.
K = Requires keys. See info for details.
[recon-ng][testspace] > marketplace install recon/domains-hosts/hackertarget
[*] Module installed: recon/domains-hosts/hackertarget
[*] Reloading modules ...
[recon-ng][testspace] > modules load recon/domains-hosts/hackertarget
[recon-ng][testspace][hackertarget] > options set SOURCE tesla.com
SOURCE ⇒ tesla.com
[recon-ng][testspace][hackertarget] > run
TESLA.COM
[*] Country: None
[*] Host: tesla.com
[*] Ip_Address: 2.18.51.207
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] Country: None
[*] Host: ams13-gpgw1.tesla.com
[*] Ip_Address: 199.120.50.30
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
Rain warning
In effect
ENG
IN
7:19:51 PM
10/16/2025


Kali Linux [Running] - Oracle VirtualBox
File Machine View Input Devices Help
rahul@kali: ~
File Actions Edit View Help
[*] Ip_Address: 199.120.48.73
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] ---
[*] Country: None
[*] Host: vpn1.tesla.com
[*] Ip_Address: 8.45.124.215
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] ---
[*] Country: None
[*] Host: xmail.tesla.com
[*] Ip_Address: 204.74.99.100
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] ---
SUMMARY
[*] 31 total (1 new) hosts found.
[recon-ng][testspace][hackertarget] >
Right Ctrl
Rainy days ahead
26°C
Search
ENG
IN
7:20:08 PM
10/16/2025