

# Subdomain Enumeration

## 1. What Are Subdomains?

A subdomain is a smaller part of a main website domain. It helps separate different sections of a website so users can find things easily.

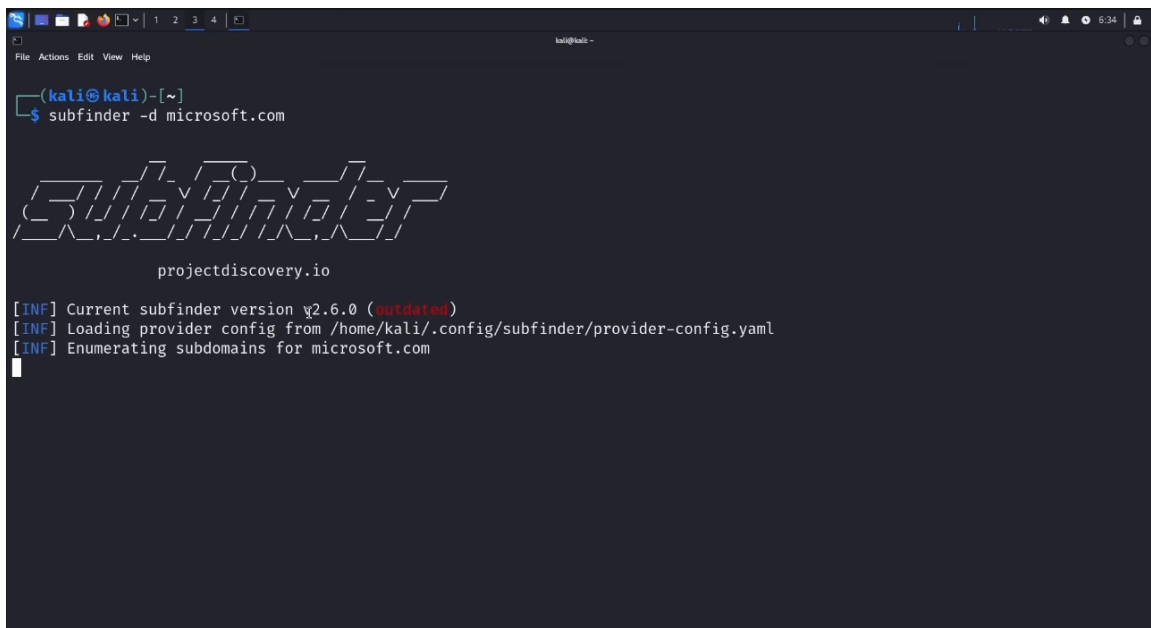
For example, in the web address `blog.example.com`, the word *blog* is the subdomain.

Subdomains always appear before the main domain name.

They are useful for organizing content, creating special portals, or hosting different services under one main domain.

## 2. Using Subfinder in Kali Linux

`subfinder -d microsoft.com`



```
(kali@kali)-[~]
$ subfinder -d microsoft.com

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projectdiscovery.io

[INF] Current subfinder version v2.6.0 (outdated)
[INF] Loading provider config from /home/kali/.config/subfinder/provider-config.yaml
[INF] Enumerating subdomains for microsoft.com
```

is used to search for all subdomains of **microsoft.com**.

The tool loads its configuration files and starts scanning.

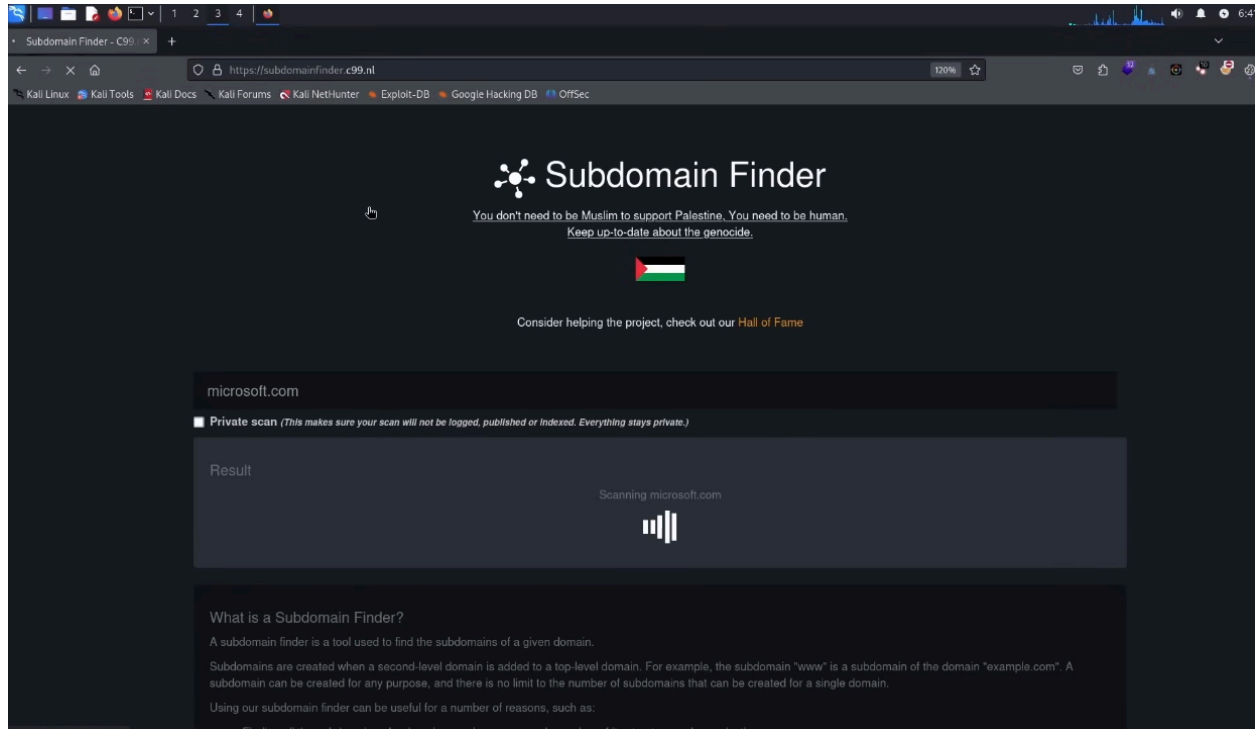
Subfinder is popular in cybersecurity because it helps researchers discover online assets that belong to a company.

This kind of output helps security analysts identify which services, servers, and environments a company has online.

It can be useful for security testing, inventory tracking, or understanding an organization's digital footprint.

## 4. Subdomain Finder Website

This is a tool that finds subdomains online.

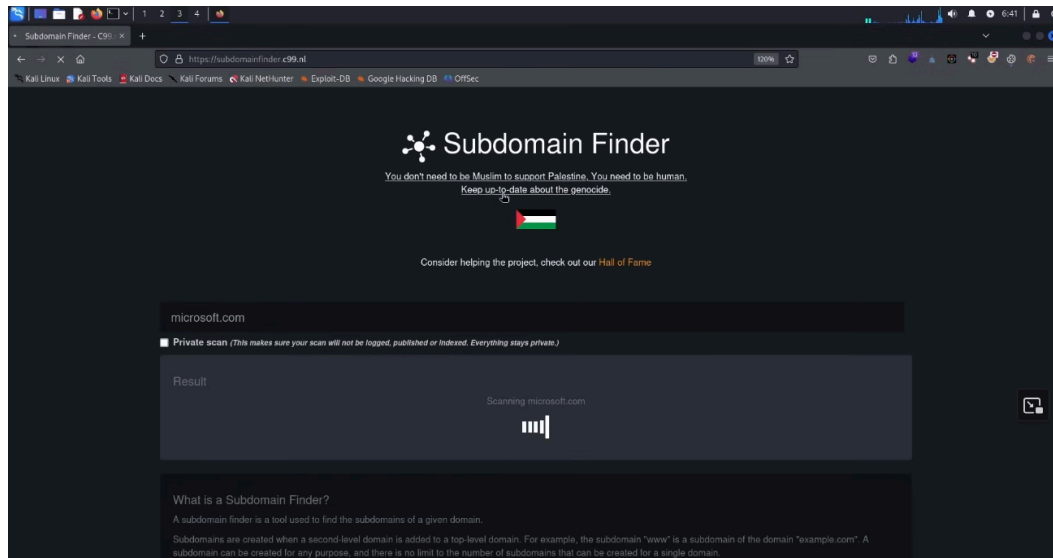


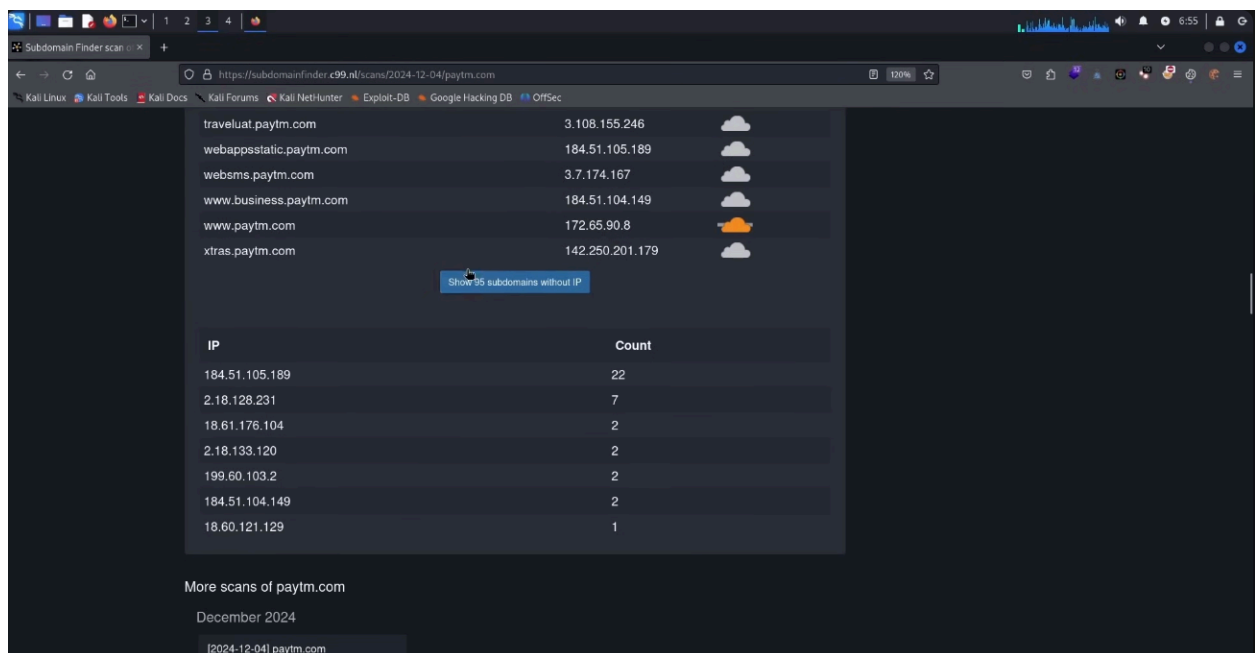
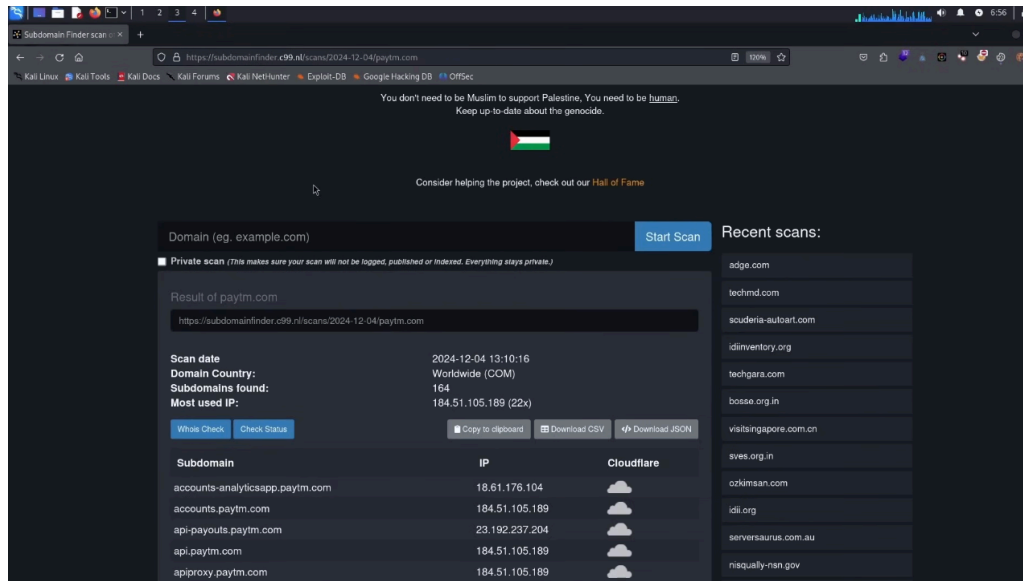
The user entered **microsoft.com** and started a scan.

It shows the **scan date**, and lists the **IPs** used.

Users can copy or download the results in CSV or JSON.

These details help organizations understand and manage their online systems.





This image shows a list of IP addresses used by paytm.com's subdomains.

It also shows how many subdomains point to each IP.

For example, one IP is used by **22 subdomains**.

This information helps identify important servers and map a network.

