INTRO TO RECONNAISSANCE

What is Reconnaissance?

Reconnaissance is the initial phase of a penetration test or security assessment where the hacker gathers as much information as possible about a target system or network.This phase helps the ethical hacker understand the system's architecture, vulnerabilities, and potential points of entry, with the goal of identifying weakness before attempting any exploits.

Types of Reconnaissance:

. Passive Reconnaissance
. Active Reconnaissance

Aspect	Passive Reconnaissance	Active Reconnaissance
Definition	Involves gathering information without direct interaction with the target.	Involves direct interaction with the target system to gather information.
Technique Used	Analyzing public information sources, social media,and using OSINT tools.	Port Scanning,Vulnerability scanning and network probing(using nmap nessus)
Risk of Detection	Lower risk of detection as it does not involve direct interaction with the target	Higher risk of detection due to engagement with the target system.
Information Accuracy	Less detailed information,relying on publicly available data.	More accurate and detailed information about the target

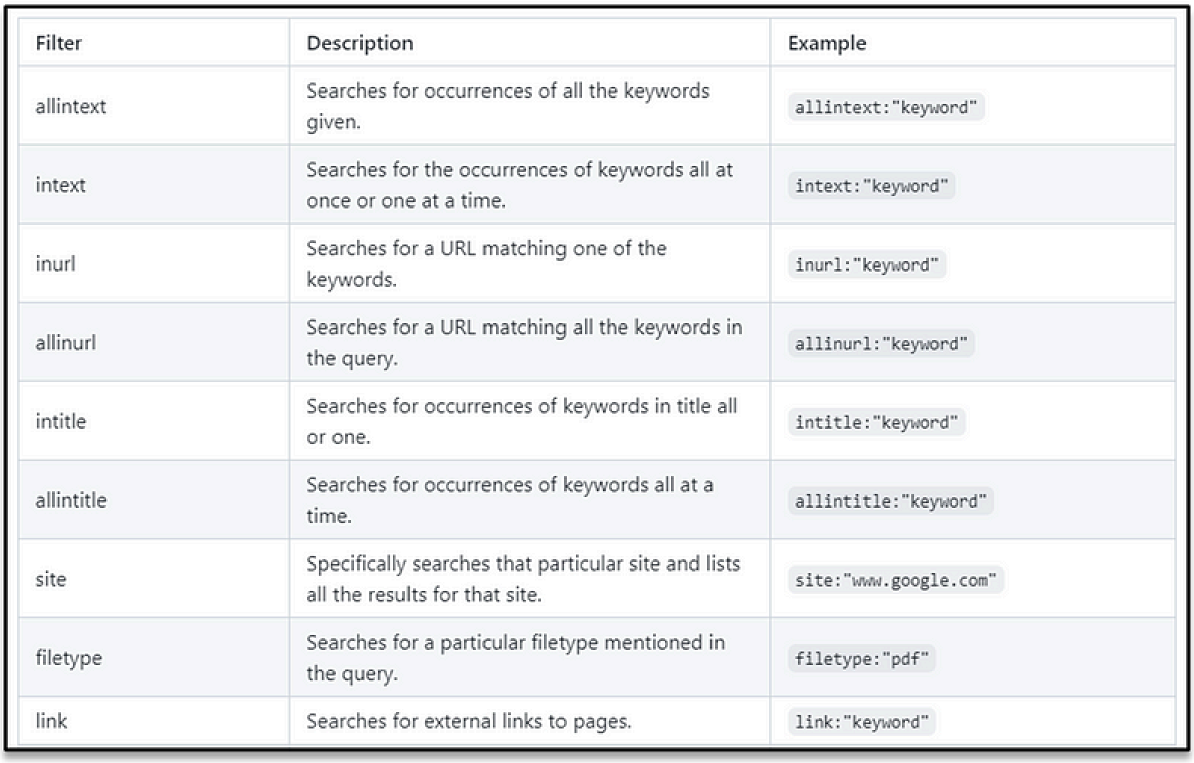
Resource Intensity	Only use available public information;less resource-intensive	More resource intensive and time consuming .
Vulnerability Identification	Limited ability to identify vulnerabilities since it does not interact directly	Identify specific vulnerabilities and weakness in sysytem
Use Cases	Useful for initial reconnaissance phases to gather background information .	Ideal for penetration testing where detailed system insights are needed

Passive Reconnaissance(GOOGLE DORKING)

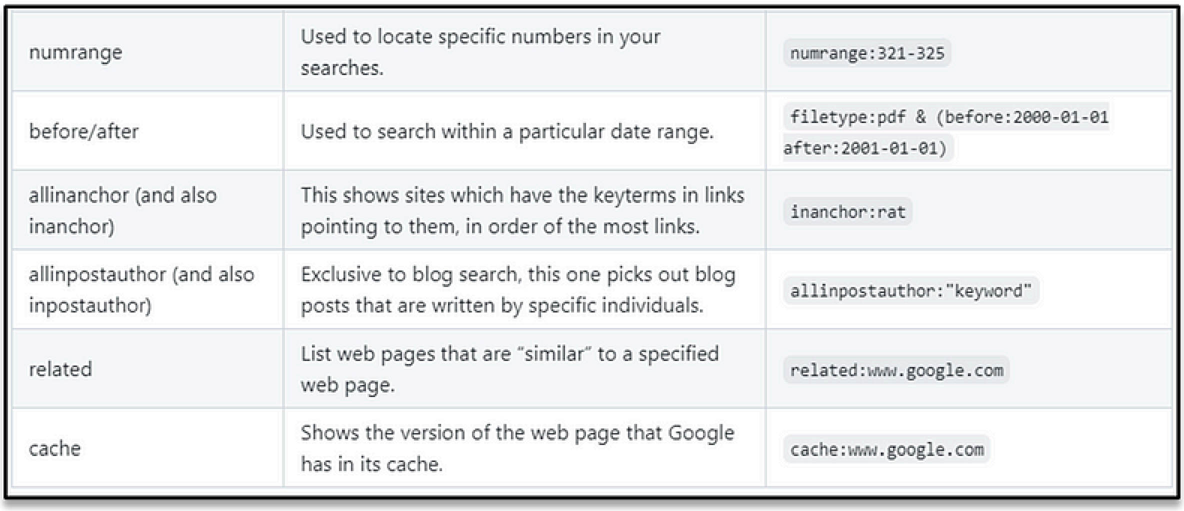
What is Google Dorking?

Google Dorking is known as Google Hacking which refers to the use of advanced search operators in Google to find specific information that is not typically visible through regular search queries. It involves leveraging Google's powerful search engine to locate hidden data on websites such as sensitive files, configuration files, or vulnerabilities that may have been accidentally exposed.

Google dork cheatsheet:



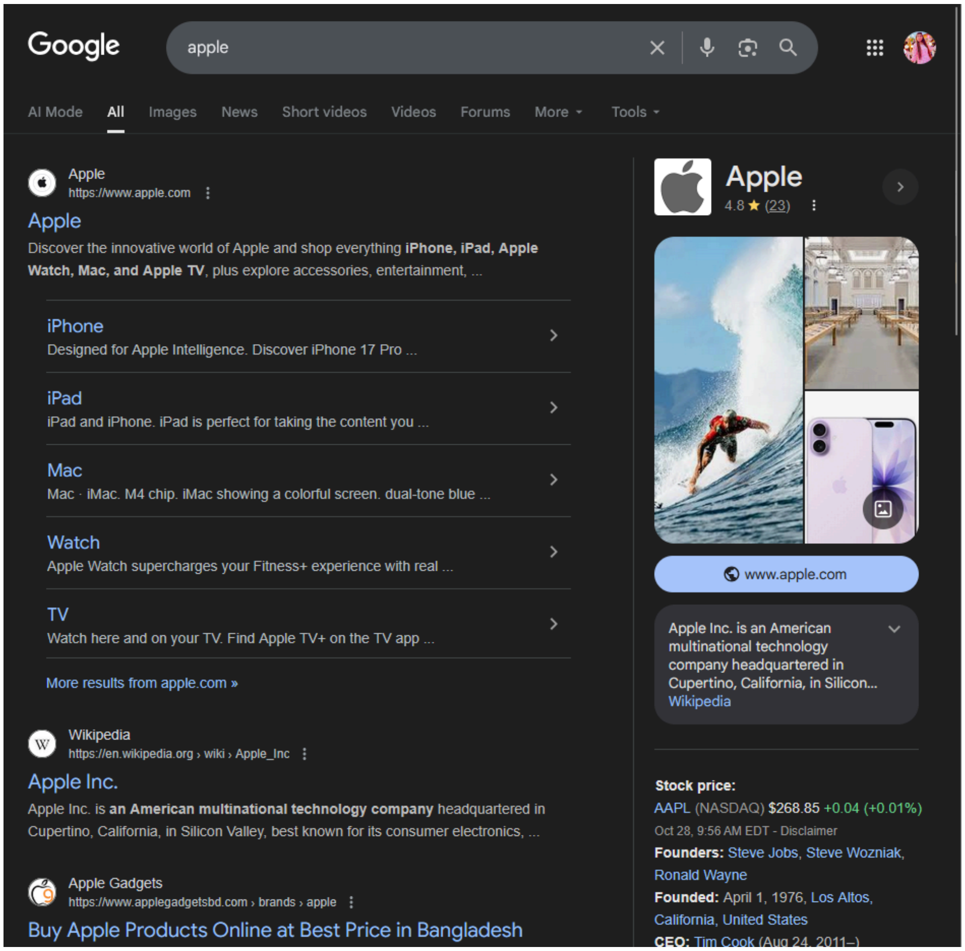
Filter	Description	Example
allintext	Searches for occurrences of all the keywords given.	`allintext:"keyword"`
intext	Searches for the occurrences of keywords all at once or one at a time.	`intext:"keyword"`
inurl	Searches for a URL matching one of the keywords.	`inurl:"keyword"`
allinurl	Searches for a URL matching all the keywords in the query.	`allinurl:"keyword"`
intitle	Searches for occurrences of keywords in title all or one.	`intitle:"keyword"`
allintitle	Searches for occurrences of keywords all at a time.	`allintitle:"keyword"`
site	Specifically searches that particular site and lists all the results for that site.	`site:"www.google.com"`
filetype	Searches for a particular filetype mentioned in the query.	`filetype:"pdf"`
link	Searches for external links to pages.	`link:"keyword"`



numrange	Used to locate specific numbers in your searches.	`numrange:321-325`
before/after	Used to search within a particular date range.	`filetype:pdf & (before:2000-01-01 after:2001-01-01)`
allinanchor (and also inanchor)	This shows sites which have the keyterms in links pointing to them, in order of the most links.	`inanchor:rat`
allinpostauthor (and also inpostauthor)	Exclusive to blog search, this one picks out blog posts that are written by specific individuals.	`allinpostauthor:"keyword"`
related	List web pages that are "similar" to a specified web page.	`related:www.google.com`
cache	Shows the version of the web page that Google has in its cache.	`cache:www.google.com`

1.Search term:

I was willing to search for a fruit “apple” but what I got as a result. not a wrong one but just confusing.



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Apple Watch supercharges your Fitness+ experience with real ...

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Stock price: AAPL (NASDAQ) $268.85 +0.04 (+0.01%)
Oct 28, 9:56 AM EDT - Disclaimer

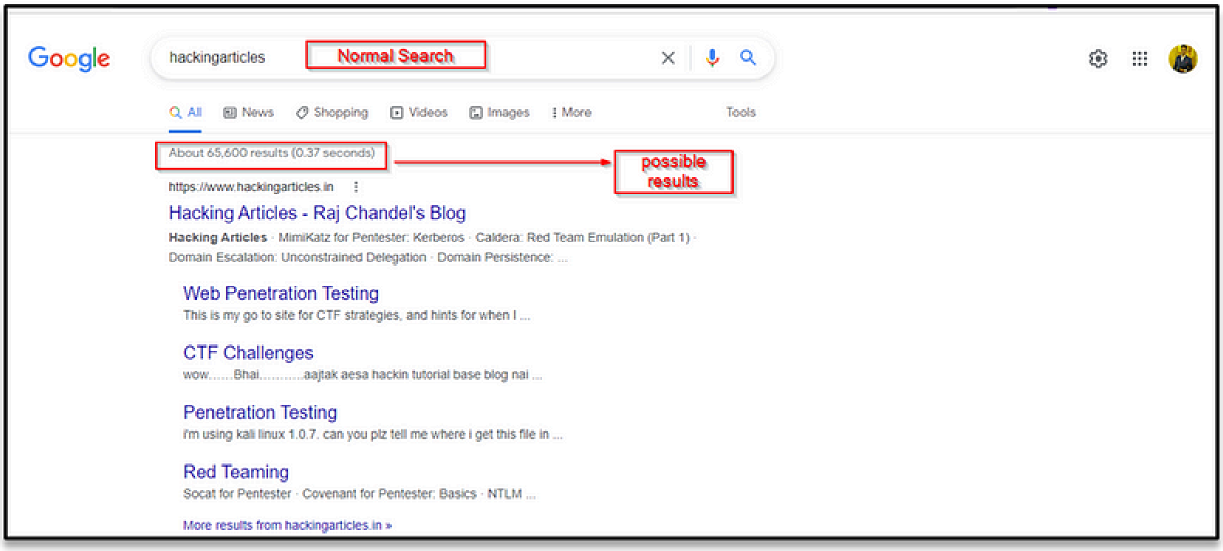
Founders: Steve Jobs, Steve Wozniak, Ronald Wayne

Founded: April 1, 1976, Los Altos, California, United States

CEO: Tim Cook (Aug 24, 2011–)

2.Syntax

1. Inurl



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Web Penetration Testing

This is my go to site for CTF strategies, and hints for when I ...

CTF Challenges

wow......Bhai...........aajtak aesa hackin tutorial base blog nai ...

Penetration Testing

i'm using kali linux 1.0.7. can you plz tell me where i get this file in ...

Red Teaming

Socat for Pentester · Covenant for Pentester: Basics · NTLM ...

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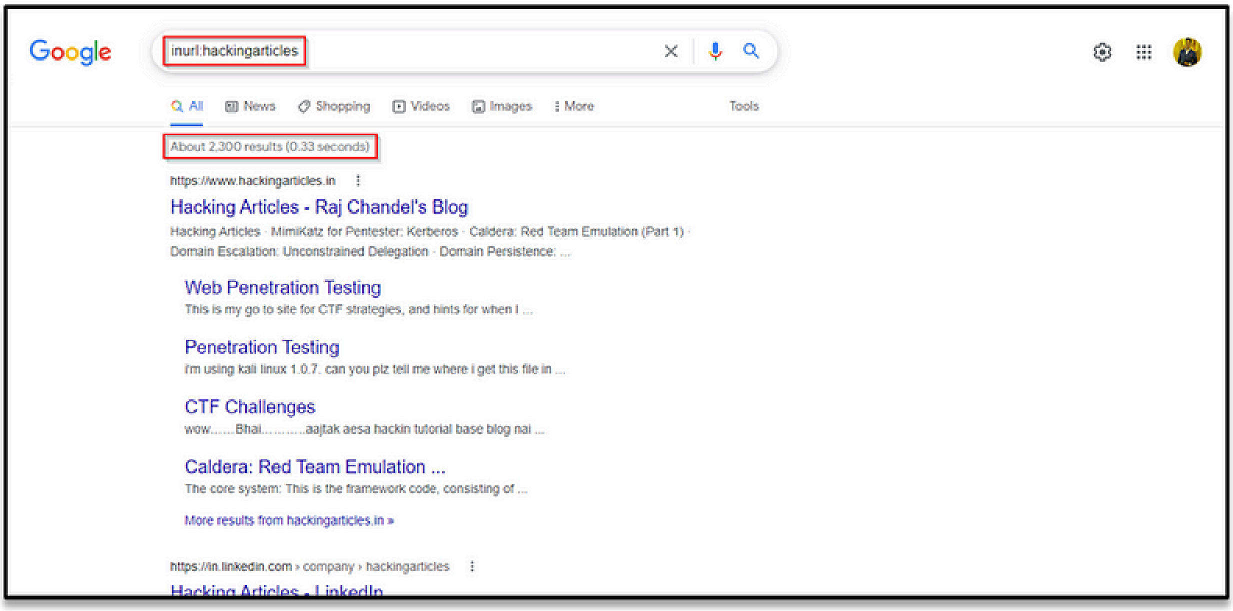
Filtered result using inurl syntax



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Penetration Testing

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CTF Challenges

wow......Bhai...........aajtak aesa hackin tutorial base blog nai ...

Caldera: Red Team Emulation ...

The core system: This is the framework code, consisting of ...

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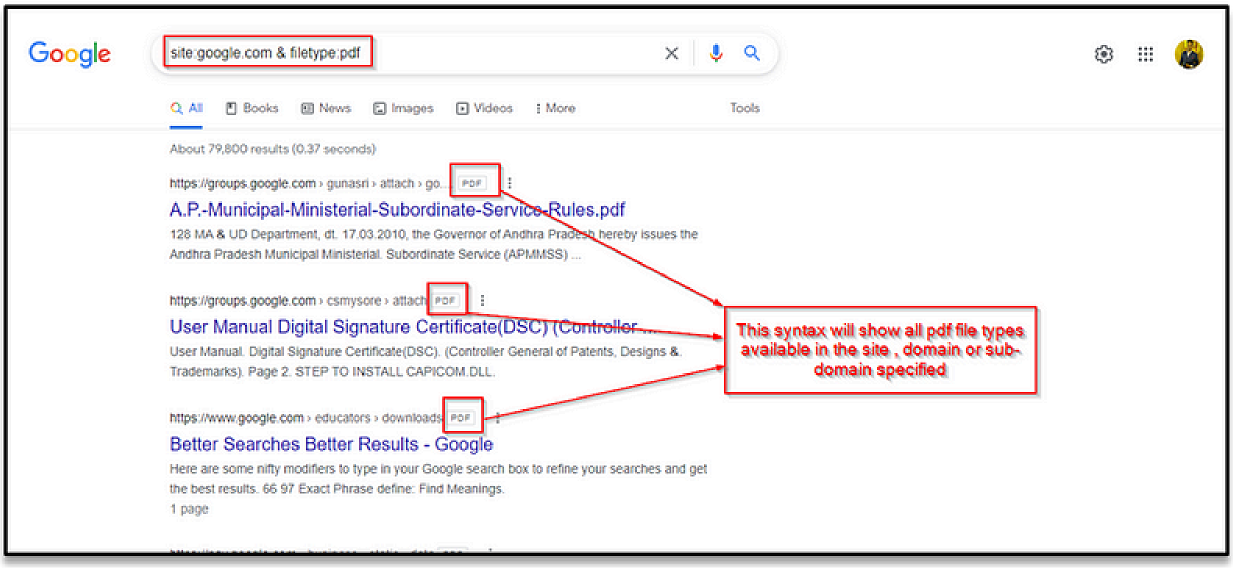
3.site and file type:



site:google.com & filetype:pdf

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User Manual. Digital Signature Certificate(DSC). (Controller General of Patents, Designs & Trademarks). Page 2. STEP TO INSTALL CAPICOM.DLL.

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