

School of Computer Science and Artificial Intelligence

Lab Assignment # 1

Program	: B. Tech (CSE)
Specialization	: AIML
Course Title	: Cyber Security
Course Code	: 24CS301ES205
Semester	: II
Academic Session	: 2025-2026
Name of Student	: Anognya Reddy
Enrollment No.	: 22234
Batch No.	: 09
Date	: 08-01-2026

Submission Instructions:

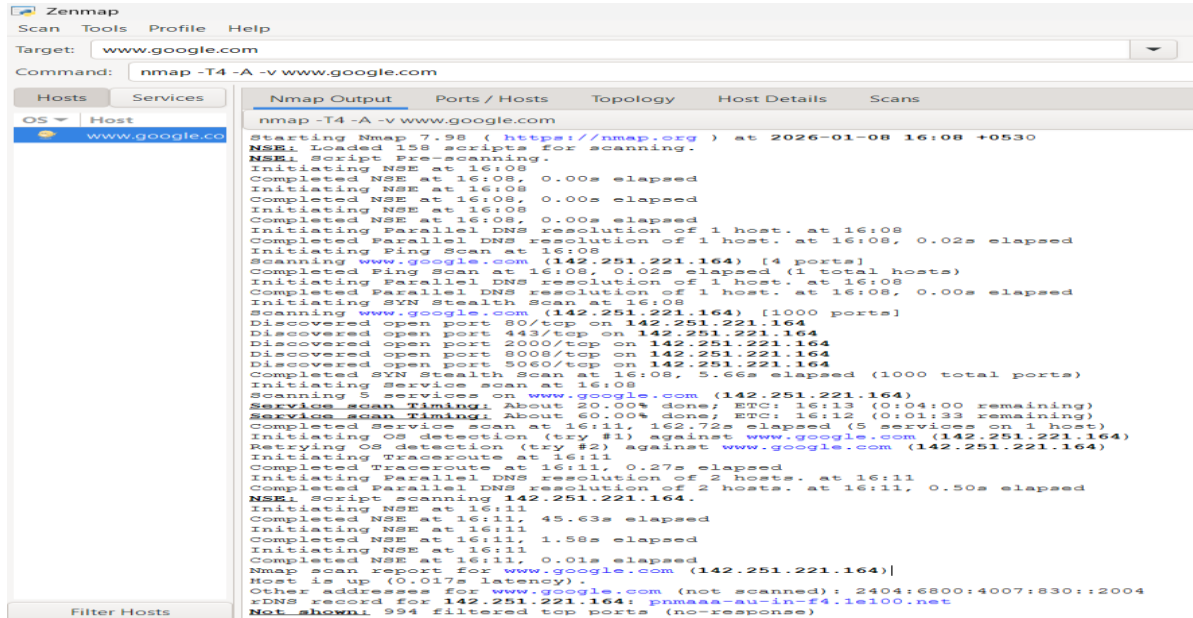
(All instructions should be followed strictly to avoid deduction of marks)

1. Use the same file to complete the assignment and don't change the settings.
 2. Minimum 10 screen shots of your account should be taken to showcase your work.
 3. **File Format:**
 - Submit your assignment as a PDF document (pdf). Ensure the file is named according to the following convention:
BNo_StudentName_SESD_A1.
Sample: B10_Rohit_22A523421_A1
 4. Fill all the entries mentioned on top section.
 5. Mention your AWS Academy Virtual Lab Account details as shown in the next page.
 - 6. Don't write on this page.**
 7. All answers should be answered from next page only.
-

Submission Starts here

NMAP:

1. www.google.com

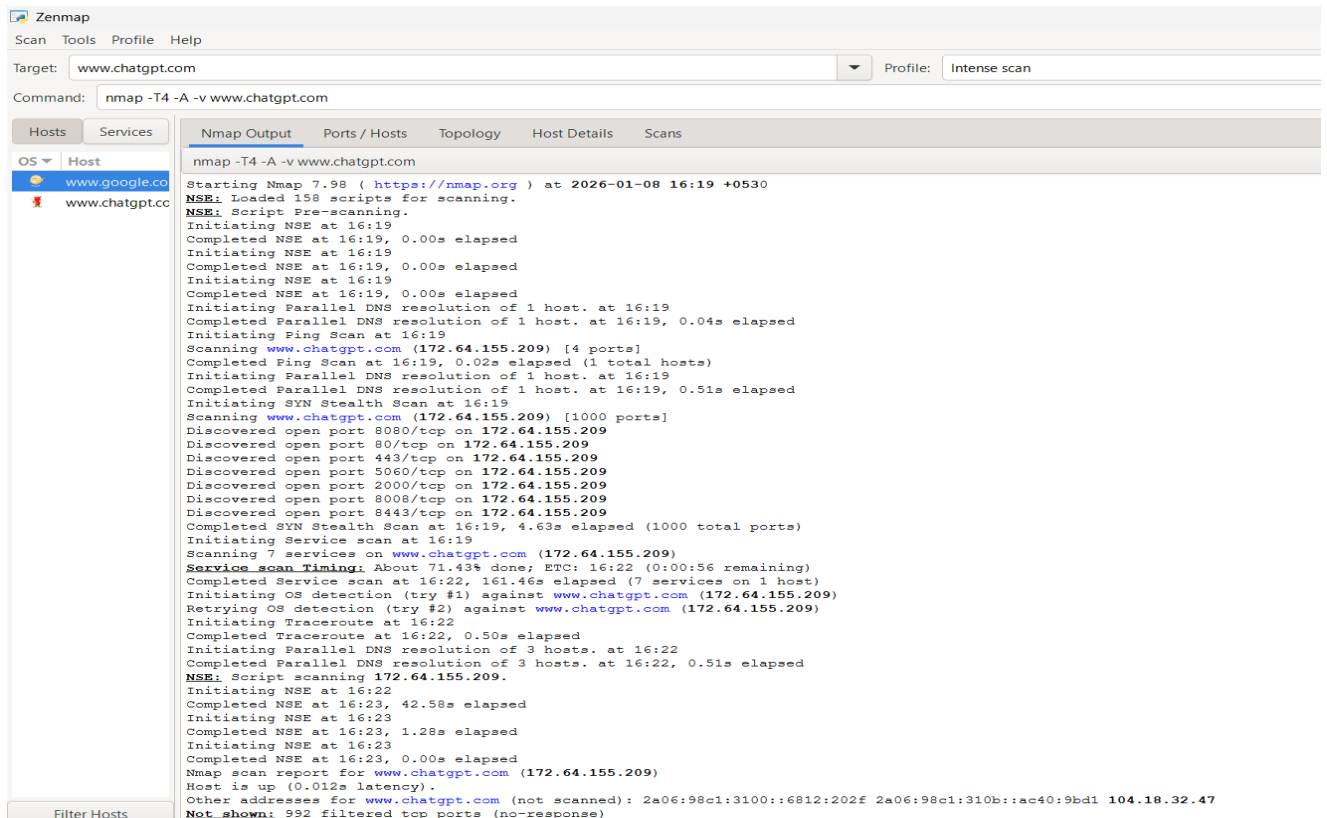


Zenmap interface showing Nmap scan results for **www.google.com**. The command used is `nmap -T4 -A -v www.google.com`. The scan results are displayed in the Nmap Output tab.

```
nmap -T4 -A -v www.google.com

Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-08 16:08 +0530
NSE: Loaded 158 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 16:08
Completed NSE at 16:08, 0.00s elapsed
Initiating NSE at 16:08
Completed NSE at 16:08, 0.00s elapsed
Initiating NSE at 16:08
Completed NSE at 16:08, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 16:08
Completed Parallel DNS resolution of 1 host. at 16:08, 0.02s elapsed
Initiating Ping Scan at 16:08
Scanning www.google.com (142.251.221.164) [4 ports]
Completed Ping Scan at 16:08, 0.02s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 16:08
Completed Parallel DNS resolution of 1 host. at 16:08, 0.00s elapsed
Initiating SYN Stealth Scan at 16:08
Scanning www.google.com (142.251.221.164) [1000 ports]
Initiating Service scan at 16:08
Discovered open port 80/tcp on 142.251.221.164
Discovered open port 443/tcp on 142.251.221.164
Discovered open port 2000/tcp on 142.251.221.164
Discovered open port 8008/tcp on 142.251.221.164
Discovered open port 5060/tcp on 142.251.221.164
Completed SYN Stealth Scan at 16:08, 5.66s elapsed (1000 total ports)
Initiating Service scan at 16:08
Scanning 5 services on www.google.com (142.251.221.164)
Service scan Timing: About 20.00% done; ETC: 16:13 (0:04:00 remaining)
Service scan Timing: About 60.00% done; ETC: 16:12 (0:01:33 remaining)
Completed Service scan at 16:11, 162.72s elapsed (5 services on 1 host)
Initiating OS detection (try #1) against www.google.com (142.251.221.164)
Retrying OS detection (try #2) against www.google.com (142.251.221.164)
Initiating Traceroute at 16:11
Completed Traceroute at 16:11, 0.27s elapsed
Initiating Parallel DNS resolution of 2 hosts. at 16:11
Completed Parallel DNS resolution of 2 hosts. at 16:11, 0.50s elapsed
NSE: Script scanning 142.251.221.164.
Initiating NSE at 16:11
Completed NSE at 16:11, 45.63s elapsed
Initiating NSE at 16:11
Completed NSE at 16:11, 1.58s elapsed
Initiating NSE at 16:11
Completed NSE at 16:11, 0.01s elapsed
Nmap scan report for www.google.com (142.251.221.164)
Host is up (0.017s latency).
Other addresses for www.google.com (not scanned): 2404:6800:4007:830::2004
xDNS record for 142.251.221.164: pmmaa-au-in-f4.1e100.net
Not shown: 994 filtered tcp ports (no-response)
```

2. www.chatgpt.com

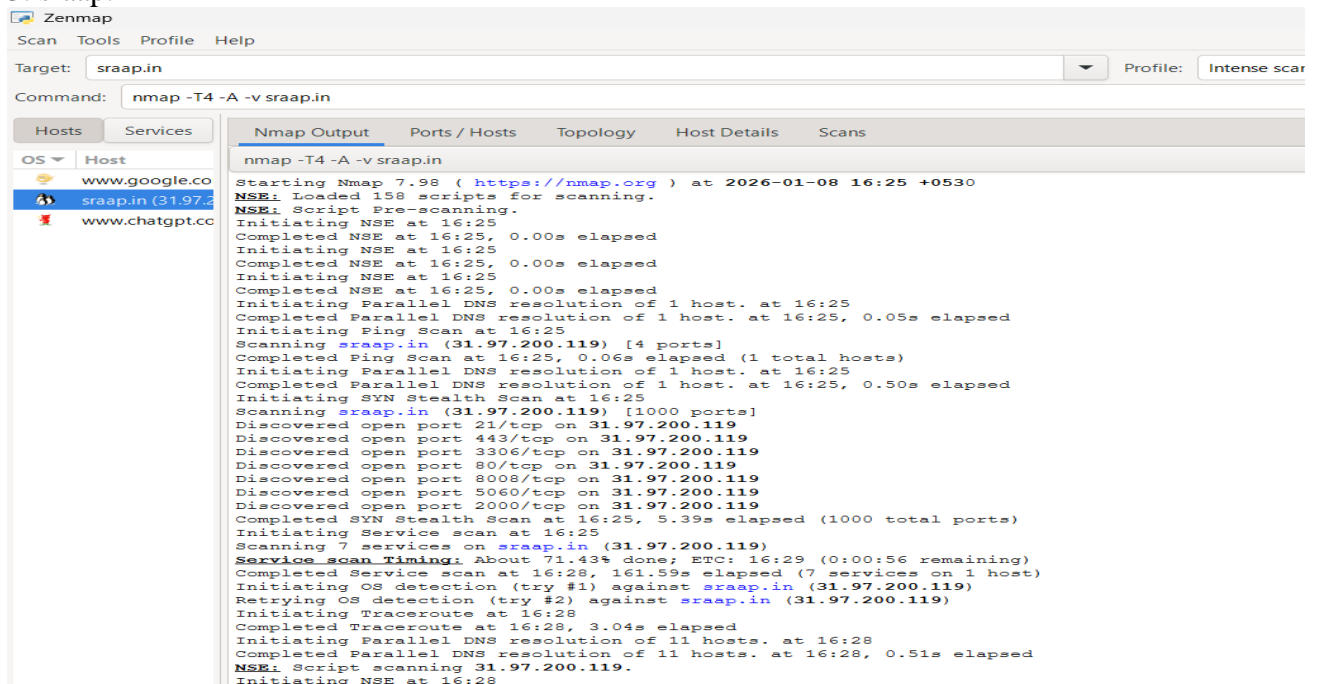


Zenmap interface showing Nmap scan results for **www.chatgpt.com**. The command used is `nmap -T4 -A -v www.chatgpt.com`. The scan results are displayed in the Nmap Output tab.

```
nmap -T4 -A -v www.chatgpt.com

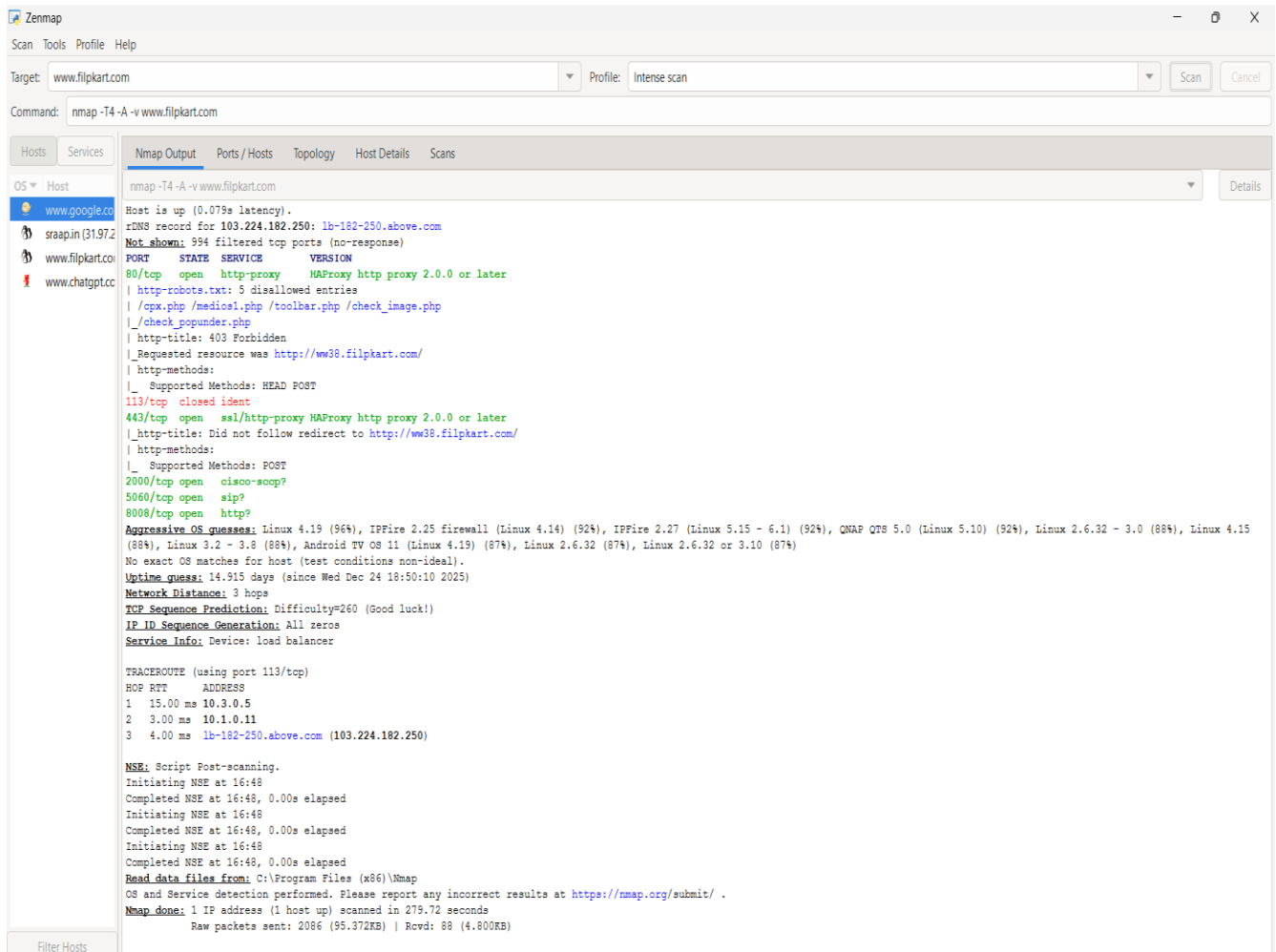
Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-08 16:19 +0530
NSE: Loaded 158 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 16:19
Completed NSE at 16:19, 0.00s elapsed
Initiating NSE at 16:19
Completed NSE at 16:19, 0.00s elapsed
Initiating NSE at 16:19
Completed NSE at 16:19, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 16:19
Completed Parallel DNS resolution of 1 host. at 16:19, 0.04s elapsed
Initiating Ping Scan at 16:19
Scanning www.chatgpt.com (172.64.155.209) [4 ports]
Completed Ping Scan at 16:19, 0.02s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 16:19
Completed Parallel DNS resolution of 1 host. at 16:19, 0.51s elapsed
Initiating SYN Stealth Scan at 16:19
Scanning www.chatgpt.com (172.64.155.209) [1000 ports]
Discovered open port 8080/tcp on 172.64.155.209
Discovered open port 443/tcp on 172.64.155.209
Discovered open port 5060/tcp on 172.64.155.209
Discovered open port 2000/tcp on 172.64.155.209
Discovered open port 8008/tcp on 172.64.155.209
Discovered open port 8443/tcp on 172.64.155.209
Completed SYN Stealth Scan at 16:19, 4.63s elapsed (1000 total ports)
Initiating Service scan at 16:19
Scanning 7 services on www.chatgpt.com (172.64.155.209)
Service scan Timing: About 71.43% done; ETC: 16:22 (0:00:56 remaining)
Completed Service scan at 16:22, 161.46s elapsed (7 services on 1 host)
Initiating OS detection (try #1) against www.chatgpt.com (172.64.155.209)
Retrying OS detection (try #2) against www.chatgpt.com (172.64.155.209)
Initiating Traceroute at 16:22
Completed Traceroute at 16:22, 0.50s elapsed
Initiating Parallel DNS resolution of 3 hosts. at 16:22
Completed Parallel DNS resolution of 3 hosts. at 16:22, 0.51s elapsed
NSE: Script scanning 172.64.155.209.
Initiating NSE at 16:22
Completed NSE at 16:23, 42.58s elapsed
Initiating NSE at 16:23
Completed NSE at 16:23, 1.28s elapsed
Initiating NSE at 16:23
Completed NSE at 16:23, 0.00s elapsed
Nmap scan report for www.chatgpt.com (172.64.155.209)
Host is up (0.012s latency).
Other addresses for www.chatgpt.com (not scanned): 2a06:98c1:3100::6812:202f 2a06:98c1:310b::ac40:9bd1 104.18.32.47
Not shown: 992 filtered tcp ports (no-response)
```

3. sraap.in



Zenmap interface showing a scan of **sraap.in**. The command used is `nmap -T4 -A -v sraap.in`. The scan results show that **sraap.in** (31.97.200.119) is up and running. The scan discovered several open ports: 21/tcp, 443/tcp, 3306/tcp, 80/tcp, 8008/tcp, 5060/tcp, and 2000/tcp. The scan also identified services like HTTP proxy, MySQL, and a load balancer.

4. www.flipkart.com



Zenmap interface showing a scan of **www.flipkart.com**. The command used is `nmap -T4 -A -v www.flipkart.com`. The scan results show that **www.flipkart.com** is up and running. The scan discovered several open ports: 80/tcp, 443/tcp, 2000/tcp, 5060/tcp, and 8008/tcp. The scan also identified services like HTTP proxy, SSL, and a load balancer. The scan results include detailed information about the host, including its IP address, OS, and various services running on it.

5. www.samsung.com

Target: Profile:

Command:

Hosts

Services

OS

Host

www.samsung.c

Nmap Output

Ports / Hosts

Topology

Host Details

Scans

nmap -T4 -A -v www.samsung.com

Starting Nmap 7.98 (<https://nmap.org>) at 2026-01-12 19:59 +0530
NSE: Loaded 158 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 19:59
Completed NSE at 19:59, 0.00s elapsed
Initiating NSE at 19:59
Completed NSE at 19:59, 0.00s elapsed
Initiating NSE at 19:59
Completed NSE at 19:59, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 19:59
Completed Parallel DNS resolution of 1 host. at 19:59, 0.10s elapsed
Initiating Ping Scan at 19:59
Scanning www.samsung.com (23.2.76.61) [4 ports]
Completed Ping Scan at 19:59, 0.03s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 19:59
Completed Parallel DNS resolution of 1 host. at 19:59, 0.43s elapsed
Initiating SYN Stealth Scan at 19:59
Scanning www.samsung.com (23.2.76.61) [1000 ports]
Discovered open port 443/tcp on 23.2.76.61
Discovered open port 53/tcp on 23.2.76.61
Discovered open port 80/tcp on 23.2.76.61
Completed SYN Stealth Scan at 19:59, 5.37s elapsed (1000 total ports)
Initiating Service scan at 19:59
Scanning 3 services on www.samsung.com (23.2.76.61)
Completed Service scan at 19:59, 20.06s elapsed (3 services on 1 host)
Initiating OS detection (try #1) against www.samsung.com (23.2.76.61)
Retrying OS detection (try #2) against www.samsung.com (23.2.76.61)
Initiating Traceroute at 19:59
Completed Traceroute at 19:59, 3.05s elapsed
Initiating Parallel DNS resolution of 5 hosts. at 19:59
Completed Parallel DNS resolution of 5 hosts. at 19:59, 0.51s elapsed
NSE: Script scanning 23.2.76.61.
Initiating NSE at 19:59
Completed NSE at 19:59, 8.45s elapsed
Initiating NSE at 19:59
Completed NSE at 19:59, 1.59s elapsed
Initiating NSE at 19:59
Completed NSE at 19:59, 0.00s elapsed
Nmap scan report for www.samsung.com (23.2.76.61)
Host is up (0.015s latency).
rDNS record for 23.2.76.61: a23-2-76-61.deploy.static.akamaitechnologies.com
Not shown: 997 filtered tcp ports (no-response)

PORT	STATE	SERVICE	VERSION
53/tcp	open	domain	(generic dns response: NOTIMP)
80/tcp	open	http	AkamaiGHost (Akamai's HTTP Acceleration/Mirror service)

| http-methods:
| Supported Methods: GET HEAD POST OPTIONS

Filter Hosts

Whois

1.www.victus.com

victus.com

WHOIS Information

IP Address: 23.227.38.65

Whois

RDAP

DNS Records

Uptime

Diagnostics

Hide Contact Info

Refresh Data

Discover more

RDAP Data API

IP address lookup tools

Network security devices

WHOIS Lookup Service

SEO analysis tools

WHOIS Monitoring Alerts

IP Geolocation Service

Online business directories

Domain registration services

databases

The domain victus.com is registered. You can still try to buy it here.

Registrar Information

Registrar

Network Solutions, LLC

Referral URL

http://networksolutions.com

WHOIS Server

whois.networksolutions.com

Important Dates

Created

4/8/2002

Expires

4/8/2027

Updated

6/3/2025

Nameservers

Hostname	IP Address
ns1-07.azure-dns.com	13.107.236.7
ns2-07.azure-dns.net	150.171.21.7
ns3-07.azure-dns.org	204.14.183.7
ns4-07.azure-dns.info	208.84.5.7

Domain Status

clientTransferProhibited https://icann.org/epp#clientTransferProhibited

Enter a domain name...

Search

linkedin.com

WHOIS Information

IP Address: 150.171.22.12

Whois

RDAP

DNS Records

Uptime

Diagnostics

Hide Contact Info

Refresh Data

Free for students

Start with lecture notes, finish ready for tests

>

The domain linkedin.com is registered. You can still try to buy it here.

Registrar Information

Registrar

MarkMonitor Inc.

Referral URL

http://www.markmonitor.com

WHOIS Server

whois.markmonitor.com

Important Dates

Created

11/2/2002

Expires

11/2/2026

Updated

10/1/2025

Nameservers

Hostname	IP Address
dns1.p09.nsone.net	198.51.44.9
dns2.p09.nsone.net	198.51.45.9
dns3.p09.nsone.net	198.51.44.73
dns4.p09.nsone.net	198.51.45.73
ns1-42.azure-dns.com	150.171.10.42
ns2-42.azure-dns.net	150.171.16.42

WHOIS Domain Lookup

Look up registration details, contacts, and nameservers for any domain name

chatgpt.com

WHOIS Information

IP Address: 172.64.155.209

[Whois](#)
[RDAP](#)
[DNS Records](#)
[Uptime](#)
[Diagnostics](#)
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[@ Email](#)
[@ Server](#)
[@ chatgpt](#)
[@ servers](#)
[@ Domain Transfer Service](#)
[@ IP Address Lookup](#)
[@ Domain Registration Service](#)
[@ Domain name generators](#)
[@ Privacy protection services](#)

The domain chatgpt.com is registered. You can still try to buy it here.

Registrar Information

Registrar
MarkMonitor Inc.

Referral URL
<http://www.markmonitor.com>

WHOIS Server
whois.markmonitor.com

Important Dates

Created
11/30/2022

Expires
11/30/2026

Updated
10/17/2024

Nameservers

Hostname

IP Address

[savanna.ns.cloudflare.com](#)

172.64.34.136

[hassan.ns.cloudflare.com](#)

108.162.195.149

Domain Status

clientDeleteProhibited <https://icann.org/epp#clientDeleteProhibited>

clientTransferProhibited <https://icann.org/epp#clientTransferProhibited>

clientUpdateProhibited <https://icann.org/epp#clientUpdateProhibited>

serverDeleteProhibited <https://icann.org/epp#serverDeleteProhibited>

serverTransferProhibited <https://icann.org/epp#serverTransferProhibited>

serverUpdateProhibited <https://icann.org/epp#serverUpdateProhibited>

clientUpdateProhibited (<https://www.icann.org/epp#clientUpdateProhibited>)

clientTransferProhibited (<https://www.icann.org/epp#clientTransferProhibited>)

clientDeleteProhibited (<https://www.icann.org/epp#clientDeleteProhibited>)

serverUpdateProhibited (<https://www.icann.org/epp#serverUpdateProhibited>)

serverTransferProhibited (<https://www.icann.org/epp#serverTransferProhibited>)

serverDeleteProhibited (<https://www.icann.org/epp#serverDeleteProhibited>)

WHOIS Domain Lookup

Look up registration details, contacts, and nameservers for any domain name

Search

samsung.com

WHOIS Information

IP Address: 211.45.27.231

Whois

RDAP

DNS Records

Uptime

Diagnostics

Hide Contact Info

Refresh Data

Discover more

Phone

Email

Samsung

Best smartphone

Samsung Electronics CO., Ltd

samsung

Samsung Electronics

servers

Mobile phone

Server

The domain samsung.com is registered. You can still try to buy it here.

Registrar Information

Registrar
Whois Corp.

WHOIS Server
whois.whois.co.kr

Referral URL
<http://www.whois.co.kr>

Important Dates

Created
11/29/1994

Updated
10/22/2025

Expires
11/28/2026

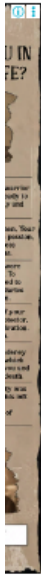
Nameservers

Hostname

IP Address

dns-awskr1.samsung.com

52.79.211.80



WHOIS Domain Lookup

Look up registration details, contacts, and nameservers for any domain name

Search

apple.com

WHOIS Information

IP Address: 17.253.144.10

Whois

RDAP

DNS Records

Uptime

Diagnostics

Hide Contact Info

Refresh Data

Free for students

Start with lecture notes, finish ready for tests



i ⓘ

Google NotebookLM

The domain apple.com is registered. You can still try to buy it [here](#).

Registrar Information

Registrar
Nom-iq Ltd. dba COM LAUDE
Referral URL
<http://www.comlaude.com>

WHOIS Server
whois.comlaude.com

Important Dates

Created
2/19/1987
Expires
2/20/2026

Updated
10/8/2025

Nameservers

Hostname	IP Address
a.ns.apple.com	17.253.200.1