

**School of Computer Science and Artificial Intelligence**

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**Lab Assignment # 1**

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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

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**Submission Instructions:**

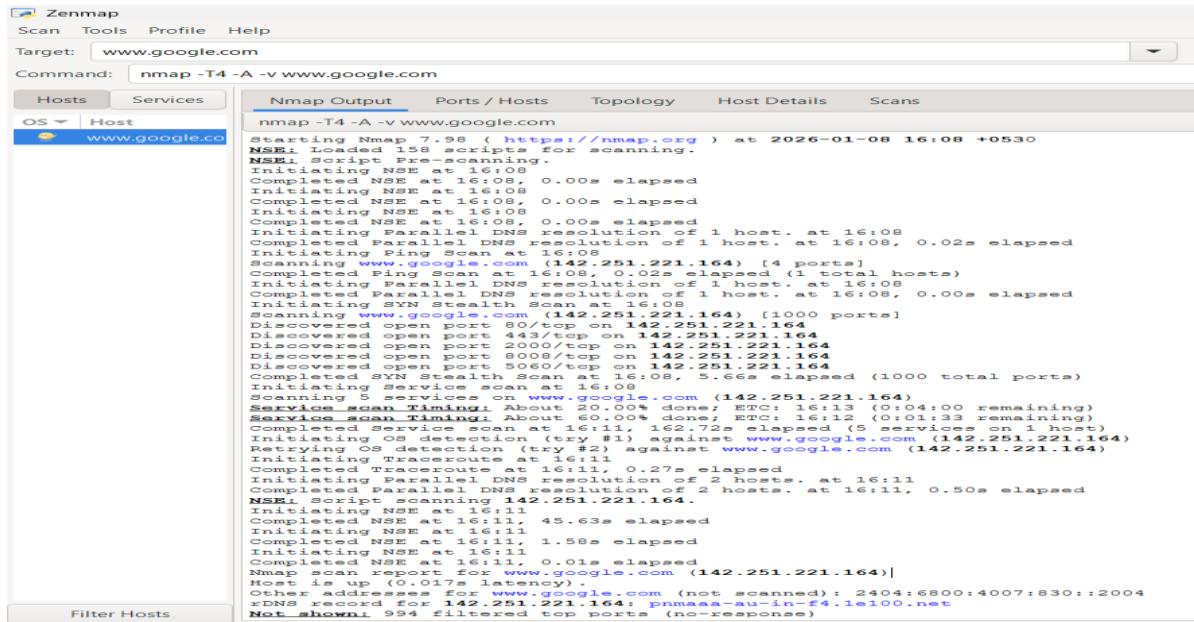
(All instructions should be followed strictly to avoid deduction of marks)

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.
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## Submission Starts here

### NMAP:

#### 1.www.google.com



```

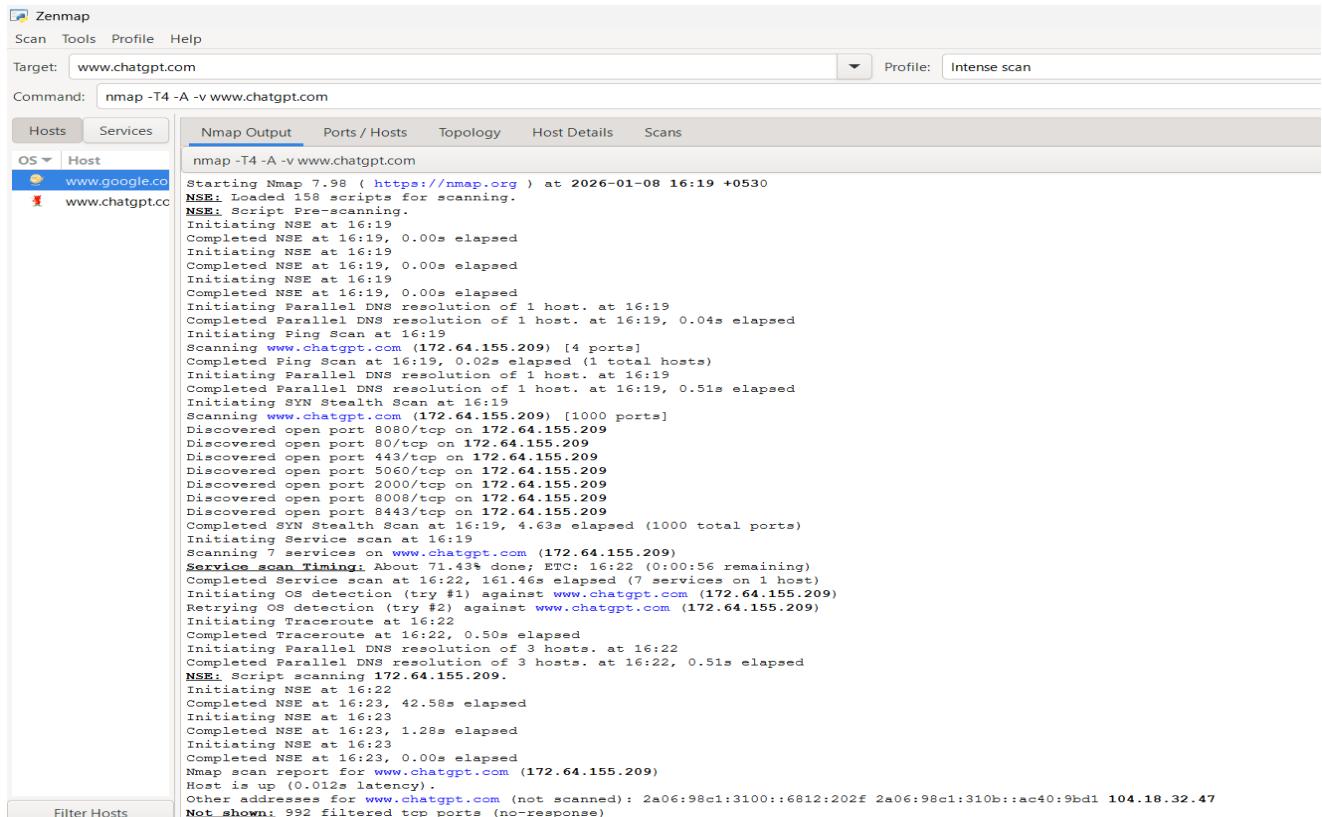
Zenmap
Scan Tools Profile Help
Target: www.google.com
Command: nmap -T4 -A -v www.google.com

Hosts Services
OS Host www.google.co

Nmap Output Ports / Hosts Topology Host Details Scans
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 Ping Scan at 16:08
Completed Ping Scan 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 SYN Stealth Scan at 16:08
Completed SYN Stealth Scan at 16:08, 0.00s elapsed
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 16:08
Completed Traceroute at 16:08, 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 (0.012s latency).
Other addresses for www.google.com (not scanned): 2404:6800:4007:830::2004
rDNS record for 142.251.221.164: pnmasa-au-in-f4.e100.net
Not shown: 994 filtered tcp ports (no-response)

```

#### 2.www.chatgpt.com



```

Zenmap
Scan Tools Profile Help
Target: www.chatgpt.com
Profile: Intense scan
Command: nmap -T4 -A -v www.chatgpt.com

Hosts Services
OS Host www.google.co
! www.chatgpt.co

Nmap Output Ports / Hosts Topology Host Details Scans
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)
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

```

nmap -T4 -A -v sraap.in
Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-08 16:25 +0530
NSE: Loaded 158 scripts for scanning.
NSE Script Pre-scanning.
Initiating NSE at 16:25
Completed NSE at 16:25, 0.00s elapsed
Initiating NSE at 16:25
Completed NSE at 16:25, 0.00s elapsed
Initiating NSE at 16:25
Completed NSE at 16:25, 0.00s elapsed
Initiating NSE at 16:25
Completed NSE at 16:25, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 16:25
Completed Parallel DNS resolution of 1 host. at 16:25, 0.05s elapsed
Initiating Ping Scan at 16:25
Scanning sraap.in (31.97.200.119) [4 ports]
Completed Ping Scan at 16:25, 0.06s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 16:25
Completed Parallel DNS resolution of 1 host. at 16:25, 0.50s elapsed
Initiating SYN Stealth Scan at 16:25
Scanning sraap.in (31.97.200.119) [1000 ports]
Discovered open port 21/tcp on 31.97.200.119
Discovered open port 443/tcp on 31.97.200.119
Discovered open port 3306/tcp on 31.97.200.119
Discovered open port 80/tcp on 31.97.200.119
Discovered open port 8008/tcp on 31.97.200.119
Discovered open port 5060/tcp on 31.97.200.119
Discovered open port 2000/tcp on 31.97.200.119
Completed SYN Stealth Scan at 16:25, 5.39s elapsed (1000 total ports)
Initiating service scan at 16:25
Scanning 7 services on sraap.in (31.97.200.119)
Service scan Timing: About 71.43s done; ETC: 16:29 (0:00:56 remaining)
Completed Service scan at 16:28, 161.59s elapsed (7 services on 1 host)
Initiating OS detection (try #1) against sraap.in (31.97.200.119)
Retrying OS detection (try #2) against sraap.in (31.97.200.119)
Initiating Traceroute at 16:28
Completed Traceroute at 16:28, 3.04s elapsed
Initiating Parallel DNS resolution of 11 hosts. at 16:28
Completed Parallel DNS resolution of 11 hosts. at 16:28, 0.51s elapsed
NSE: Script scanning 31.97.200.119.
Initiating NSE at 16:28

```

### 4. www.flipkart.com

```

nmap -T4 -A -v www.flipkart.com
Host is up (0.079s latency).
rDNS record for 103.224.182.250: lb-182-250.above.com
Not shown: 994 filtered tcp ports (no-response)
PORT      STATE SERVICE      VERSION
80/tcp    open  http-proxy   HAProxy http proxy 2.0.0 or later
|_http-robots.txt: 5 disallowed entries
|_/pxw.php /medical.php /toolbar.php /check_image.php
|_/check_popunder.php
| http-title: 403 Forbidden
|_Requested resource was http://www38.filpkart.com/
| http-methods:
|_ Supported Methods: HEAD POST
113/tcp   closed ident
443/tcp   open  ssl/http-proxy HAProxy http proxy 2.0.0 or later
|_http-title: Did not follow redirect to http://www38.filpkart.com/
| http-methods:
|_ Supported Methods: POST
2000/tcp  open  cisco-sscp?
5060/tcp  open  sip?
8008/tcp  open  http?
Aggressive OS guesses: Linux 4.19 (96%), IPFire 2.25 firewall (Linux 4.14) (92%), IPFire 2.27 (Linux 5.15 - 6.1) (92%), QNAP QTS 5.0 (Linux 5.10) (92%), Linux 2.6.32 - 3.0 (88%), Linux 4.15 (88%), Linux 3.2 - 3.8 (88%), Android TV OS 11 (Linux 4.19) (87%), Linux 2.6.32 (87%), Linux 2.6.32 or 3.10 (87%)
No exact OS matches for host (test conditions non-ideal).
UpTime guess: 14.915 days (since Wed Dec 24 18:50:10 2025)
Network Distance: 3 hops
TCP Sequence Prediction: Difficulty=260 (Good luck!)
IP ID Sequence Generation: All zeros
Service Info: Device: load balancer

TRACEROUTE (using port 113/tcp)
HOP RTT      ADDRESS
1  15.00 ms  10.3.0.5
2  3.00 ms  10.1.0.11
3  4.00 ms  lb-182-250.above.com (103.224.182.250)

NSE: Script Post-scanning.
Initiating NSE at 16:48
Completed NSE at 16:48, 0.00s elapsed
Initiating NSE at 16:48
Completed NSE at 16:48, 0.00s elapsed
Initiating NSE at 16:48
Completed NSE at 16:48, 0.00s elapsed
Read data files from: C:\Program Files (x86)\Nmap
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 279.72 seconds
Raw packets sent: 2086 (95.372KB) | Rcvd: 88 (4.800KB)

```

## 5.www.samsung.com

Target: www.samsung.com Profile:

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

Hosts	Services
OS	Host
www.samsung.com	

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 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 Updated 6/3/2025  
Expires 4/8/2027

**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>

2.www.linkedin.com

linkedin.com

WHOIS Information

IP Address: 150.171.22.12

Whois RDAP DNS Records Uptime Diagnostics **Hide Contact Info**

Refresh Data

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Registrar: MarkMonitor Inc. WHOIS Server: whois.markmonitor.com

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

Created: 11/2/2002 Updated: 10/1/2025

Expires: 11/2/2026

### Important Dates

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

3.www.chatgpt.com

who.is

WHOIS RDAP DNS Uptime Domain Events Website Monitoring Login

## WHOIS Domain Lookup

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

 Enter a domain name... **chatgpt.com**

WHOIS Information

IP Address: 172.64.155.209

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[@ 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.WHOIS Server  
whois.markmonitor.comReferral URL  
<http://www.markmonitor.com>**Important Dates**

Created	Updated
1/30/2022	10/17/2024
Expires	
1/30/2026	

**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>)

4.www.samsung.com

who.is

[WHOIS](#) [RDAP](#) [DNS](#) [Uptime](#) [Domain Events](#) [Website Monitoring](#)

## 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](#)

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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

5.www.apple.com

**who.is**[WHOIS](#) [RDAP](#) [DNS](#) [Uptime](#) [Domain Events](#) [Website Monitoring](#) [Login](#)

## 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](#)

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[FAQ](#)

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

WHOIS Server  
[whois.comlaude.com](#)

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

#### Important Dates

Created  
2/19/1987

Updated  
10/8/2025

Expires  
2/20/2026

#### Nameservers

Hostname	IP Address
a.ns.apple.com	17.253.200.1