**NETWORK RECONNAISANCE TOOLS**

**c502@22D50211:~$ sudo apt-get install traceroute**

[sudo] password for c502:

Reading package lists... Done

Building dependency tree

Reading state information... Done

traceroute is already the newest version (1:2.0.21-1).

0 upgraded, 0 newly installed, 0 to remove and 389 not upgraded.

**c502@22D50211:~$ traceroute google.com**

traceroute to google.com (216.58.203.174), 30 hops max, 60 byte packets

1 192.168.5.1 (192.168.5.1) 3.195 ms 3.325 ms 3.433 ms

2 192.168.3.5 (192.168.3.5) 0.290 ms 0.510 ms 0.502 ms

3 nsg-static-133.9.76.182-airtel.com (182.76.9.133) 3.101 ms 2.791 ms 2.784 ms

4 182.79.177.107 (182.79.177.107) 3.337 ms 182.79.239.127 (182.79.239.127) 5.049 ms 182.79.177.109 (182.79.177.109) 3.839 ms

5 72.14.220.197 (72.14.220.197) 5.708 ms 4.899 ms 5.389 ms

6 \* \* \*

7 209.85.251.28 (209.85.251.28) 6.502 ms 209.85.248.26 (209.85.248.26) 3.861 ms 209.85.255.208 (209.85.255.208) 5.098 ms

8 108.170.248.162 (108.170.248.162) 4.229 ms 209.85.252.51 (209.85.252.51) 3.910 ms 3.786 ms

9 bom07s11-in-f14.1e100.net (216.58.203.174) 3.637 ms 108.170.248.193 (108.170.248.193) 5.253 ms bom07s11-in-f14.1e100.net (216.58.203.174) 3.744 ms

**c502@22D50211:~$ sudo apt-get install whois**

Reading package lists... Done

Building dependency tree

Reading state information... Done

whois is already the newest version (5.2.11).

0 upgraded, 0 newly installed, 0 to remove and 389 not upgraded.

**c502@22D50211:~$ whois google.com**

Domain Name: GOOGLE.COM

Registry Domain ID: 2138514\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2018-02-21T18:36:40Z

Creation Date: 1997-09-15T04:00:00Z

Registry Expiry Date: 2020-09-14T04:00:00Z

Registrar: MarkMonitor Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited

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

Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited

Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited

Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited

Name Server: NS1.GOOGLE.COM

Name Server: NS2.GOOGLE.COM

Name Server: NS3.GOOGLE.COM

Name Server: NS4.GOOGLE.COM

DNSSEC: unsigned

URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/

**c502@22D50211:~$ sudo apt-get install nslookup**

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package nslookup

**c502@22D50211:~$ nslookup google.com**

Server: 127.0.1.1

Address: 127.0.1.1#53

Non-authoritative answer:

Name: google.com

Address: 172.217.167.174

**c502@22D50211:~$ sudo apt-get install dig**

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package dig

**c502@22D50211:~$ dig google.com**

; <<>> DiG 9.10.3-P4-Ubuntu <<>> google.com

;; global options: +cmd

;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18880

;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:

; EDNS: version: 0, flags:; udp: 4000

;; QUESTION SECTION:

;google.com. IN A

;; ANSWER SECTION:

google.com. 79 IN A 172.217.166.46

;; Query time: 5 msec

;; SERVER: 127.0.1.1#53(127.0.1.1)

;; WHEN: Wed Mar 13 14:05:30 IST 2019

;; MSG SIZE rcvd: 55

**c502@comp:~$ dig google.com any**

; <<>> DiG 9.10.3-P4-Ubuntu <<>> google.com any

;; global options: +cmd

;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61851

;; flags: qr rd ra; QUERY: 1, ANSWER: 10, AUTHORITY: 0, ADDITIONAL: 9

;; OPT PSEUDOSECTION:

; EDNS: version: 0, flags:; udp: 4000

;; QUESTION SECTION:

;google.com. IN ANY

;; ANSWER SECTION:

google.com. 139 IN A 172.217.166.78

google.com. 21599 IN NS ns3.google.com.

google.com. 21599 IN NS ns1.google.com.

google.com. 59 IN SOA ns1.google.com. dns-admin.google.com. 241998851 900 900 1800 60

google.com. 599 IN MX 20 alt1.aspmx.l.google.com.

google.com. 599 IN MX 10 aspmx.l.google.com.

google.com. 299 IN TXT "docusign=05958488-4752-4ef2-95eb-aa7ba8a3bd0e"

google.com. 299 IN TXT "globalsign-smime-dv=CDYX+XFHUw2wml6/Gb8+59BsH31KzUr6c1l2BPvqKX8="

google.com. 203 IN AAAA 2404:6800:4009:80d::200e

google.com. 21599 IN CAA 0 issue "pki.goog"

;; ADDITIONAL SECTION:

ns3.google.com. 21599 IN A 216.239.36.10

ns3.google.com. 21599 IN AAAA 2001:4860:4802:36::a

ns1.google.com. 21598 IN A 216.239.32.10

ns1.google.com. 21598 IN AAAA 2001:4860:4802:32::a

alt1.aspmx.l.google.com. 291 IN A 74.125.195.26

alt1.aspmx.l.google.com. 291 IN AAAA 2607:f8b0:400e:c09::1b

aspmx.l.google.com. 291 IN A 74.125.130.26

aspmx.l.google.com. 291 IN AAAA 2404:6800:4003:c04::1b

;; Query time: 590 msec

;; SERVER: 127.0.1.1#53(127.0.1.1)

;; WHEN: Fri Apr 05 11:40:54 IST 2019

;; MSG SIZE rcvd: 548

**SCREENSHOTS**



