Network Reconnaissance tools

whois

```
Terminal          IDE          ⟳ ☑   Visualise Host   ⟳ ☑  +

$ whois github.com
   Domain Name: GITHUB.COM
   Registry Domain ID: 1264983250_DOMAIN_COM-VRSN
   Registrar WHOIS Server: whois.markmonitor.com
   Registrar URL: http://www.markmonitor.com
   Updated Date: 2020-09-08T09:18:27Z
   Creation Date: 2007-10-09T18:20:50Z
   Registry Expiry Date: 2022-10-09T18:20:50Z
   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
   Name Server: DNS1.P08.NSONE.NET
   Name Server: DNS2.P08.NSONE.NET
   Name Server: DNS3.P08.NSONE.NET
   Name Server: DNS4.P08.NSONE.NET
   Name Server: NS-1283.AWSDNS-32.ORG
   Name Server: NS-1707.AWSDNS-21.CO.UK
   Name Server: NS-421.AWSDNS-52.COM
   Name Server: NS-520.AWSDNS-01.NET
   DNSSEC: unsigned
   URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2022-03-24T06:15:27Z <<<

For more information on Whois status codes, please visit https://icann.org/epp
```

nslookup

```
Terminal          IDE          ⟳ ☑   Visualise Host

$ nslookup github.com
Server:         8.8.8.8
Address:        8.8.8.8#53

Non-authoritative answer:
Name:    github.com
Address: 140.82.121.4
```

dig

```
Terminal        IDE           ⟳ ☑   Visualise Host   ⟳ ☑  +

$ dig github.com

; <<>> DiG 9.10.3-P4-Ubuntu <<>> github.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 26296
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;github.com.                        IN      A

;; ANSWER SECTION:
github.com.             60         IN      A        140.82.121.3

;; Query time: 8 msec
;; SERVER: 8.8.8.8#53(8.8.8.8)
;; WHEN: Thu Mar 24 06:20:12 UTC 2022
;; MSG SIZE  rcvd: 55
```

traceroute

```
Terminal     IDE        ⟳ ☑  Visualise Host  ⟳ ☑  +

$ traceroute github.com
traceroute to github.com (140.82.121.3), 30 hops max, 60 byte packets
 1  172.17.0.1 (172.17.0.1)  0.559 ms  0.559 ms  0.544 ms
 2  100.86.203.129 (100.86.203.129)  0.534 ms  0.516 ms  0.480 ms
 3  core24.fsn1.hetzner.com (213.239.229.93)  0.770 ms  2.323 ms  0.768 ms
 4  core4.fra.hetzner.com (213.239.229.73)  5.269 ms  5.272 ms core4.fra.hetzner.com (213.239.203.149)  11.210 ms
 5  de-cix2.fra.github.com (80.81.196.80)  10.830 ms de-cix.fra.github.com (80.81.196.79)  5.421 ms  5.421 ms
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
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28  * * *
29  * * *
30  * * *
$
```