



# Whois and Host Commands

THREAT MANAGEMENT

# Whois

- Allows search of databases for domain and IP blocks
- Provides detailed registration information used when claiming the domain name
- Names, Addresses, IPs, Phone numbers, and more can be gained



# Whois Example

```
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: 2017-09-07T08:50:36-0700
Creation Date: 1997-09-15T00:00:00-0700
Registrar Registration Expiration Date: 2020-09-13T21:00:00-0700
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895740
Domain Status: clientUpdateProhibited
(https://www.icann.org/epp#clientUpdateProhibited)
Domain Status: clientTransferProhibited
(https://www.icann.org/epp#clientTransferProhibited)
Domain Status: clientDeleteProhibited
(https://www.icann.org/epp#clientDeleteProhibited)
Domain Status: serverUpdateProhibited
(https://www.icann.org/epp#serverUpdateProhibited)
Domain Status: serverTransferProhibited
(https://www.icann.org/epp#serverTransferProhibited)
Domain Status: serverDeleteProhibited
(https://www.icann.org/epp#serverDeleteProhibited)
Registry Registrant ID:
Registrant Name: DNS Admin
Registrant Organization: Google Inc.
Registrant Street: 1600 Amphitheatre Parkway,
Registrant City: Mountain View
Registrant State/Province: CA
Registrant Postal Code: 94043
Registrant Country: US
Registrant Phone: +1.6502530000
Registrant Phone Ext:
Registrant Fax: +1.6502530001
Registrant Fax Ext:
Registrant Email: dns-admin@google.com
Registry Admin ID:
```



**JASON DION**  
TRAINING THE CYBER SECURITY WORKFORCE



# Host

- Provides information about a systems IPv4 and IPv6 addresses and servers

```
Jasons-MacBook-Pro:~ $ host google.com
google.com has address 74.125.136.101
google.com has address 74.125.136.113
google.com has address 74.125.136.139
google.com has address 74.125.136.138
google.com has address 74.125.136.102
google.com has address 74.125.136.100
google.com has IPv6 address 2607:f8b0:4002:c00::66
google.com mail is handled by 30 alt2.aspmx.l.google.com.
google.com mail is handled by 50 alt4.aspmx.l.google.com.
google.com mail is handled by 20 alt1.aspmx.l.google.com.
google.com mail is handled by 40 alt3.aspmx.l.google.com.
google.com mail is handled by 10 aspmx.l.google.com.
```

