Course Code : CSL604	**Course Name : System Security Lab**
Class : TE-CO	**Batch : Computer Engineering**
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Experiment: 05

Aim : Study the use of network reconnaissance tools like WHOIS, dig, traceroute, nslookup to gather information about networks and domain registrars.

Output:

```
mastmac — -zsh — 103×16
mastmac@MASTMACs-Mac-mini ~ % traceroute -m 10  phalicious-shield-aboutus.netlify.app
traceroute: Warning: phalicious-shield-aboutus.netlify.app has multiple addresses; using 52.220.193.16
traceroute to phalicious-shield-aboutus.netlify.app (52.220.193.16), 10 hops max, 52 byte packets
 1  192.168.0.1 (192.168.0.1)  1.031 ms  0.322 ms  0.405 ms
 2  xiaoqiang (192.168.31.1)  0.733 ms  0.699 ms  0.629 ms
 3  1.186.179.1.dvois.com (1.186.179.1)  1.489 ms  2.412 ms  1.967 ms
 4  114.79.129.97.dvois.com (114.79.129.97)  1.912 ms  1.498 ms  2.022 ms
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
mastmac@MASTMACs-Mac-mini ~ %
```

```
mastmac — -zsh — 75×12
mastmac@MASTMACs-Mac-mini ~ % nslookup phalicious-shield-aboutus.netlify.ap
p
Server:        192.168.0.1
Address:       192.168.0.1#53

Non-authoritative answer:
Name:   phalicious-shield-aboutus.netlify.app
Address: 104.248.158.121
Name:   phalicious-shield-aboutus.netlify.app
Address: 167.99.78.230
```

```
🏠 mastmac — -zsh — 96×53
[mastmac@MASTMACs-Mac-mini ~ % whois phalicious-shield-aboutus.netlify.app
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

refer:          whois.nic.google

domain:         APP

organisation:   Charleston Road Registry Inc.
address:        1600 Amphitheatre Parkway Mountain View, CA 94043
address:        United States

contact:        administrative
name:           TLD Admin
organisation:   Google Inc.
address:        111 8th Avenue
address:        New York, NY 10011
address:        United States
phone:          +1 404 978 8419
fax-no:         +1 650 492 5631
e-mail:         iana-contact@google.com

contact:        technical
name:           TLD Engineering
organisation:   Google Inc
address:        76 9th Avenue, 4th Floor
address:        New York, NY 10011
address:        United States
phone:          +1 404 978 8419
fax-no:         +1 650 492 5631
e-mail:         crr-tech@google.com

nserver:        NS-TLD1.CHARLESTONROADREGISTRY.COM 2001:4860:4802:32:0:0:0:69 216.239.32.105
nserver:        NS-TLD2.CHARLESTONROADREGISTRY.COM 2001:4860:4802:34:0:0:0:69 216.239.34.105
nserver:        NS-TLD3.CHARLESTONROADREGISTRY.COM 2001:4860:4802:36:0:0:0:69 216.239.36.105
nserver:        NS-TLD4.CHARLESTONROADREGISTRY.COM 2001:4860:4802:38:0:0:0:69 216.239.38.105
nserver:        NS-TLD5.CHARLESTONROADREGISTRY.COM 2001:4860:4805:0:0:0:0:69 216.239.60.105
ds-rdata:       23684 8 2 3a5cc8a31e02c94aba6461912fabb7e9f5e34957bb6114a55a864d96aec31836

whois:          whois.nic.google

status:         ACTIVE
remarks:        Registration information: https://www.registry.google

created:        2015-06-25
changed:        2020-04-20
source:         IANA

# whois.nic.google

Nameserver not found.
>>> Last update of WHOIS database: 2021-05-19T12:08:38Z <<<
```

Conclusion:

Network reconnaissance tools like WHOIS, dig, traceroute and nslookup are studied to gather information

about networks and domain registrars.