



UNIX Course Module 10

Hands-on: 3

Use of nslookup Command

Operation 1: Use nslookup to query name servers of mentioned domains to find info about the resource records

```
$ nslookup <Domain name>
```

```
[intellipaath@localhost ~]$ nslookup www.google.com
Server:          192.168.1.1
Address:         192.168.1.1#53

Non-authoritative answer:
Name:   www.google.com
Address: 172.217.163.164
Name:   www.google.com
Address: 2404:6800:4007:80f::2004
```

Use of dig Command

Operation 1: Use dig or Domain information Groper to get more detailed information about DNS name servers and it is more flexible than nslookup

```
$ dig www.intellipaat.com
```

```
[intellipaat@localhost ~]$ dig www.intellipaat.com

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-17.P2.el8_0.1 <<>> www.intellipaat.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 2022
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;www.intellipaat.com.      IN      A

;; ANSWER SECTION:
www.intellipaat.com.      112     IN      A       104.20.38.203
www.intellipaat.com.      112     IN      A       104.20.37.203

;; Query time: 4 msec
;; SERVER: 192.168.1.1#53(192.168.1.1)
;; WHEN: Thu Dec 26 04:02:54 EST 2019
;; MSG SIZE rcvd: 80
```

Similarly, let us check for *www.intellipaat.com/blog*

```
[intellipaat@localhost ~]$ dig www.intellipaat.com/blog

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-17.P2.el8_0.1 <<>> www.intellipaat.com/blog
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 60412
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;www.intellipaat.com/blog.  IN      A

;; AUTHORITY SECTION:
.                3580    IN      SOA     a.root-servers.net. nstld.verisign-grs.com. 2019122600 1800 900 604800 86400

;; Query time: 22 msec
;; SERVER: 192.168.1.1#53(192.168.1.1)
;; WHEN: Thu Dec 26 04:05:16 EST 2019
;; MSG SIZE rcvd: 128
```