Relatório de DNS

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1.Execute o comando, *dig www.google.com* e informe o resultado mostrado em tela. Informe quem é o servidor DNS que responde pela consulta, através da seção ANSWER.

```
;; ANSWER SECTION:
www.google.com.          263     IN      A       172.217.29.4
```

Foi retornado o servidor da google.

2.Execute agora o comando, *nslookup www.google.com,* qual o resultado? Os servidores que aparecem no primeiro comando são os mesmos?

```
Server:         192.168.15.1
Address:        192.168.15.1#53

Non-authoritative answer:
Name:   www.google.com
Address: 172.217.29.4
Name:   www.google.com
Address: 2800:3f0:4001:803::2004
```

O resultado mostrou mais informações, mas o endereço continua sendo o mesmo.

3.Realize outras pesquisas de Registros de Recursos utilizando o comando dig e anote suas respostas. Por exemplo, qual o resultado do comando *dig SOA www.univali.br* ? Faça a pesquisa com pelo menos 4 registro de recurso diferente.

Dig SOA www.univali.br

```
; <<>> DiG 9.16.3 <<>> SOA www.univali.br
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 59805
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 512
;; QUESTION SECTION:
;www.univali.br.                        IN      SOA

;; AUTHORITY SECTION:
univali.br.             600     IN      SOA     univali.br. root.univali.br. 2020050501 3600 900 1209600 3600

;; Query time: 487 msec
;; SERVER: 192.168.15.1#53(192.168.15.1)
;; WHEN: Mon Jun 15 22:00:14 Hora oficial do Brasil 2020
;; MSG SIZE  rcvd: 84
```

Não foi retornado uma ANSWER SECTION desta vez.

Dig www.microsoft.com.br

```
; <<>> DiG 9.16.3 <<>> www.microsoft.com.br
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 63250
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

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

;; ANSWER SECTION:
www.microsoft.com.br.    3600    IN      CNAME    microsoft.com.br.
microsoft.com.br.        3600    IN      A        13.77.161.179
microsoft.com.br.        3600    IN      A        104.215.148.63
microsoft.com.br.        3600    IN      A        40.76.4.15
microsoft.com.br.        3600    IN      A        40.112.72.205
microsoft.com.br.        3600    IN      A        40.113.200.201

;; Query time: 366 msec
;; SERVER: 192.168.15.1#53(192.168.15.1)
;; WHEN: Mon Jun 15 22:01:08 Hora oficial do Brasil 2020
;; MSG SIZE  rcvd: 143
```

Nslookup www.microsoft.com.br

```
Server:         192.168.15.1
Address:        192.168.15.1#53

Non-authoritative answer:
www.microsoft.com.br    canonical name = microsoft.com.br.
Name:   microsoft.com.br
Address: 40.113.200.201
Name:   microsoft.com.br
Address: 40.112.72.205
Name:   microsoft.com.br
Address: 40.76.4.15
Name:   microsoft.com.br
Address: 104.215.148.63
Name:   microsoft.com.br
Address: 13.77.161.179
```

Os dois comandos mostram que vários servidores responderam ao chamado

Dig www.youtube.com

```
;; ANSWER SECTION:
www.youtube.com.          19871   IN      CNAME    youtube-ui.l.google.com.
youtube-ui.l.google.com. 228     IN      A        172.217.162.206
youtube-ui.l.google.com. 228     IN      A        172.217.29.142
youtube-ui.l.google.com. 228     IN      A        172.217.29.174
youtube-ui.l.google.com. 228     IN      A        172.217.30.46
youtube-ui.l.google.com. 228     IN      A        172.217.28.238
youtube-ui.l.google.com. 228     IN      A        172.217.29.14
youtube-ui.l.google.com. 228     IN      A        172.217.162.110
youtube-ui.l.google.com. 228     IN      A        172.217.28.14
youtube-ui.l.google.com. 228     IN      A        172.217.172.142
youtube-ui.l.google.com. 228     IN      A        172.217.172.206
youtube-ui.l.google.com. 228     IN      A        172.217.28.78
youtube-ui.l.google.com. 228     IN      A        172.217.28.142
youtube-ui.l.google.com. 228     IN      A        172.217.162.142
youtube-ui.l.google.com. 228     IN      A        216.58.202.174
youtube-ui.l.google.com. 228     IN      A        172.217.30.78
youtube-ui.l.google.com. 228     IN      A        172.217.30.174
```

Nslookup www.youtube.com

```
www.youtube.com canonical name = youtube-ui.l.google.com.
Name:    youtube-ui.l.google.com
Address: 172.217.30.174
Name:    youtube-ui.l.google.com
Address: 172.217.30.78
Name:    youtube-ui.l.google.com
Address: 216.58.202.174
Name:    youtube-ui.l.google.com
Address: 172.217.162.142
Name:    youtube-ui.l.google.com
Address: 172.217.28.142
Name:    youtube-ui.l.google.com
Address: 172.217.28.78
Name:    youtube-ui.l.google.com
Address: 172.217.172.206
Name:    youtube-ui.l.google.com
Address: 172.217.172.142
Name:    youtube-ui.l.google.com
Address: 172.217.28.14
Name:    youtube-ui.l.google.com
Address: 172.217.162.110
Name:    youtube-ui.l.google.com
Address: 172.217.29.14
Name:    youtube-ui.l.google.com
Address: 172.217.28.238
Name:    youtube-ui.l.google.com
Address: 172.217.30.46
Name:    youtube-ui.l.google.com
Address: 172.217.29.174
Name:    youtube-ui.l.google.com
Address: 172.217.29.142
Name:    youtube-ui.l.google.com
Address: 172.217.162.206
Name:    youtube-ui.l.google.com
Address: 2800:3f0:4001:812::200e
```

Uma grande quantidade de servidores responderam.

Dig www.facebook.com.br

```
;; ANSWER SECTION:
www.facebook.com.br.     3657    IN      CNAME   www.facebook.com.
www.facebook.com.        1110    IN      CNAME   star-mini.c10r.facebook.com.
star-mini.c10r.facebook.com. 34 IN       A       157.240.222.35
```

Nslookup www.facebook.com.br

```
Server:         192.168.15.1
Address:        192.168.15.1#53

Non-authoritative answer:
www.facebook.com.br     canonical name = www.facebook.com.
www.facebook.com        canonical name = star-mini.c10r.facebook.com.
Name:   star-mini.c10r.facebook.com
Address: 157.240.222.35
Name:   star-mini.c10r.facebook.com
Address: 2a03:2880:f148:82:face:b00c:0:25de
```

Foi retornado tanto servidor brasileiro como o servidor original.

Dig www.uol.com.br

```
;; ANSWER SECTION:
www.uol.com.br.            42      IN      CNAME   www.uol.com.br.cdn.cloudflare.net.
www.uol.com.br.cdn.cloudflare.net. 32 IN A       104.17.33.24
www.uol.com.br.cdn.cloudflare.net. 32 IN A       104.17.34.24
```

Nslookup www.uol.com.br

```
Server:         192.168.15.1
Address:        192.168.15.1#53

Non-authoritative answer:
www.uol.com.br  canonical name = www.uol.com.br.cdn.cloudflare.net.
Name:   www.uol.com.br.cdn.cloudflare.net
Address: 104.17.34.24
Name:   www.uol.com.br.cdn.cloudflare.net
Address: 104.17.33.24
Name:   www.uol.com.br.cdn.cloudflare.net
Address: 2606:4700::6811:2118
Name:   www.uol.com.br.cdn.cloudflare.net
Address: 2606:4700::6811:2218
```

Servidores localizados apenas no Brasil.