

DEMO7 : Test d'un serveur DNS BIND

Commande host :

```
# host www.google.com
www.google.com has address 142.250.74.228
www.google.com has IPv6 address 2a00:1450:4007:80f::2004
# host 142.250.74.228
228.74.250.142.in-addr.arpa domain name pointer par10s40-in-f4.1e100.net.
```

Commande dig :

```
# dig www.google.com

; <<>> DiG 9.16.27-Debian <<>> www.google.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 27387
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1472
;; QUESTION SECTION:
;www.google.com.                IN      A

;; ANSWER SECTION:
www.google.com.                164     IN      A      142.250.179.100

;; Query time: 3 msec
;; SERVER: 192.168.1.254#53(192.168.1.254)
;; WHEN: Tue Sep 13 16:13:32 CEST 2022
;; MSG SIZE rcvd: 59

# dig -t PTR 100.179.250.142.in-addr.arpa.

; <<>> DiG 9.11.36-RedHat-9.11.36-3.el8 <<>> -t PTR 100.179.250.142.in-addr.arpa.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 46845
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1472
;; QUESTION SECTION:
;100.179.250.142.in-addr.arpa.  IN      PTR

;; ANSWER SECTION:
100.179.250.142.in-addr.arpa. 80963  IN      PTR      par21s20-in-f4.1e100.net.

;; Query time: 2 msec
;; SERVER: 192.168.1.254#53(192.168.1.254)
;; WHEN: mar. sept. 13 16:16:06 CEST 2022
;; MSG SIZE rcvd: 95
```

Recherche inverse directement via une adresse :

```
# dig -x 142.250.179.100
; <<>> DiG 9.11.36-RedHat-9.11.36-3.el8 <<>> -x 142.250.179.100
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 48386
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;100.179.250.142.in-addr.arpa.  IN      PTR

;; ANSWER SECTION:
100.179.250.142.in-addr.arpa. 80883 IN      PTR      par21s20-in-f4.1e100.net.

;; Query time: 0 msec
;; SERVER: 192.168.1.254#53(192.168.1.254)
;; WHEN: mar. sept. 13 16:17:26 CEST 2022
;; MSG SIZE rcvd: 95
```