Use DNS Tools   INFO 253

Sindhuja Jeyabal

Question 1:

DNS lookup for m.yelp.com

Command1:   host -v -t A m.yelp.com 199.7.83.42

Response:

;; AUTHORITY SECTION:

com.   172800 IN   NS   a.gtld-servers.net.

;; ADDITIONAL SECTION:

a.gtld-servers.net.   172800 IN   A   192.5.6.30

Command 2: host -v -t A m.yelp.com 192.5.6.30

Response:

;; AUTHORITY SECTION:

yelp.com.   172800 IN   NS   ns1.p18.dynect.net.

;; ADDITIONAL SECTION:

ns1.p18.dynect.net.   172800 IN   A   208.78.70.18

Command 3: host -v -t A m.yelp.com 208.78.70.18

Response:

;; QUESTION SECTION:

;m.yelp.com.   IN   A

;; ANSWER SECTION:

m.yelp.com.   60   IN   CNAME   m.gslb.yelp.com.

Question 2:

IP addresses for m.yelp.com

Command: host m.yelp.com

Response:

m.yelp.com is an alias for m.gslb.yelp.com.

m.gslb.yelp.com is an alias for m.sfo2.yelp.com.

m.sfo2.yelp.com has address 198.51.132.234

m.sfo2.yelp.com has address 198.51.132.34

Question 3:

Trace the route of a packet from harbinger to amplab.

Command: traceroute amplab.cs.berkeley.edu

Response:

traceroute to amplab.cs.berkeley.edu (128.32.37.248), 30 hops max, 60 byte packets

 1 g3-35.inr-211-srb.**Berkeley.EDU** (128.32.78.3) 0.639 ms 0.631 ms 0.640 ms

 2 t6-1.inr-202-reccev.**Berkeley.EDU** (128.32.255.126) 15.120 ms 15.094 ms 15.208 ms

 3 evans-eecs-br-10GE.EECS.**Berkeley.EDU** (128.32.255.54) 5.309 ms 5.282 ms 5.245 ms

 4 soda-10g-edge.EECS.**Berkeley.EDU** (169.229.59.242) 6.911 ms 6.927 ms 6.997 ms

 5 www-research2.CS.**Berkeley.EDU** (128.32.37.248) 1.601 ms !X 1.629 ms !X 1.607 ms !X

No, the packets do not leave the Berkeley network.