**WHAT HAPPENED WHEN USER TYPE GOOGLE.COM IN BROWSER**

**1.BROWSER:** Client-side software and browser needs to 2 things

1.Hostname /Domain name

2.IP Address

**2.DNS (Domain Name Service):**

1. This will remember all IP Address (Keep track of all hostname and address)
2. It is an automatic process that convert the domain name to its corresponding IP Address so that web browser can understand which webpage you want to access in internet.

Google.com DNS (Domain Name Service) 10.20.30.25

**4.ROOT NAME SERVER:**

It will identify (.com,.org, in..etc) request coming from LOCAL DNS and send the request to TLD(Top Level Domain)

**5.TOP LEVEL DOMAIN(TLD) :**

It has collection of websites (eg. Facebook.com,google.com..etc)based on the request it will move to corresponding server(In this case request will go to google server)

**6.Name Server:** Which Identify the server’s name

**7.SOA (Start Of Authority) :**

It has IP Address

**8. Firewall:**

“Which STOP un-authorized access to the network ALLOW/DENY”

**9.Load Balancer:**

All request will go to LB and it will distribute the traffic across multiple server

