

# WHAT IS DNS

 @codechips

Art Source : Webneel



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 Cody

popupdev04@gmail.com



You want to phone your friend

You don't remember individual mobile numbers instead you go to your **contacts app** and call it by their **names**





The contacts app make it possible for people to input normal words without having to keep track of the individual mobile number





This is the exact same thing  
DNS does for the internet

Domain Name System

ip address -  
domain names





Computers address each other  
with numbers called IP addresses

hi 192.45.6.2



hello 723.65.7.4







However, remembering IP addresses  
is not an easy task for humans

we prefer to give things named

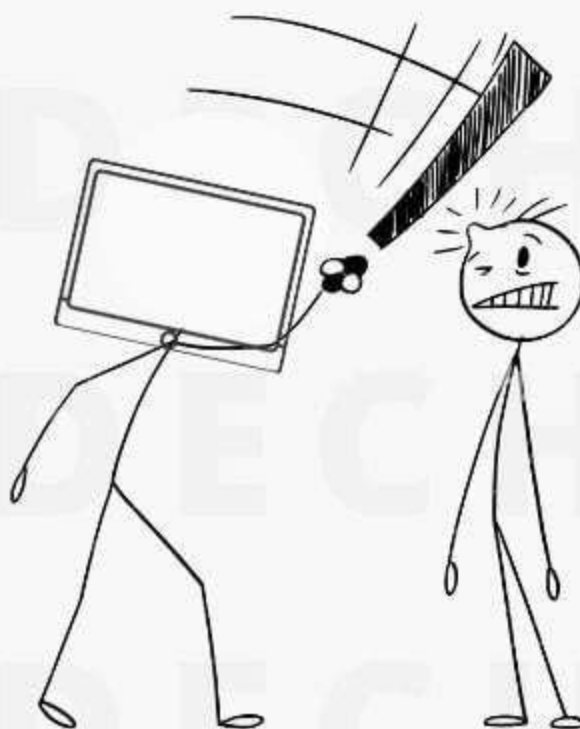




But computers don't understand names

wrf is this? give  
me ip address

Give me  
[www.google.com](http://www.google.com)

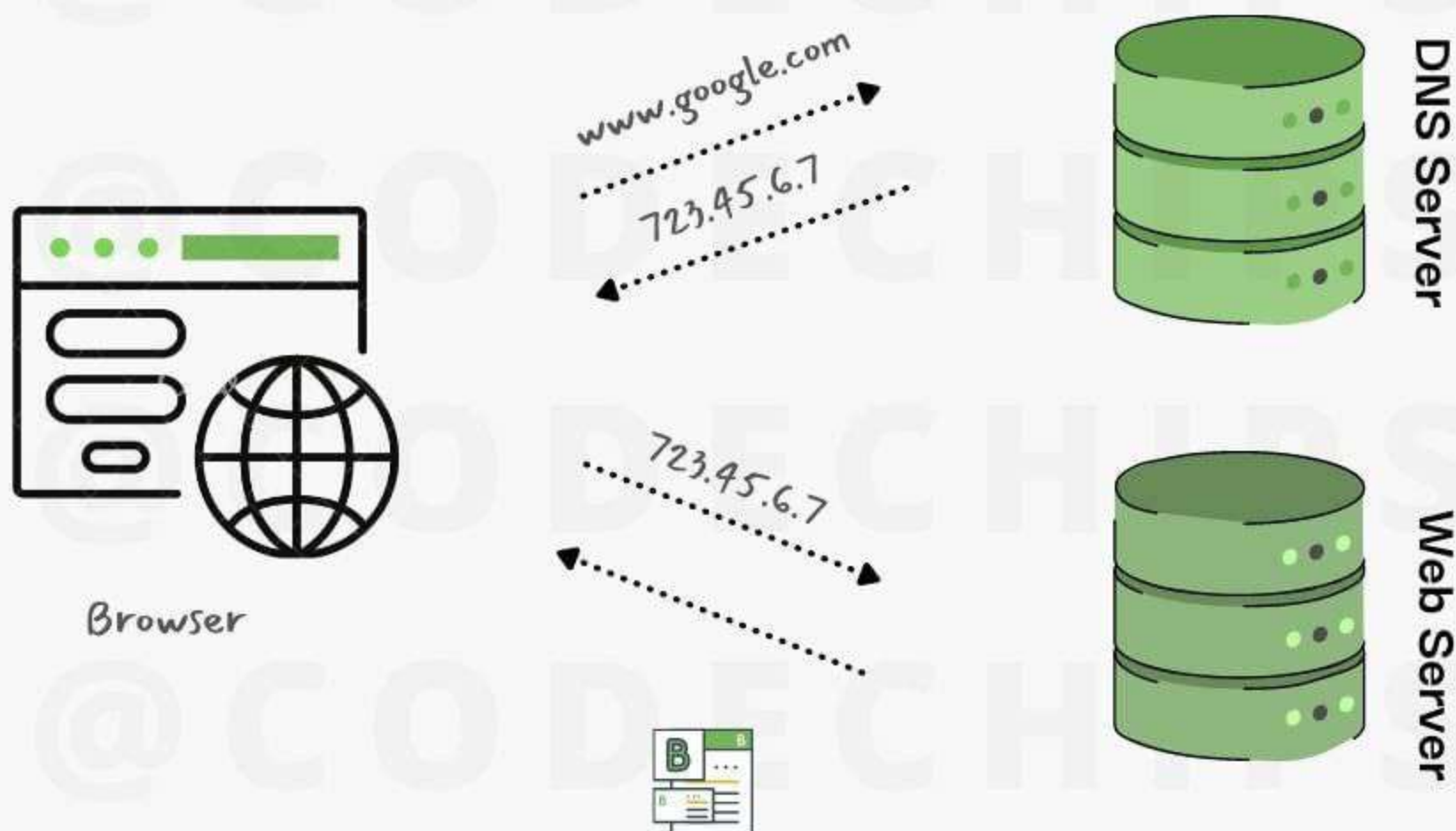




That is where DNS comes into play

DNS is a system that ties names to IP addresses.

DNS automatically converts the names we type in our web browser address bar to the IP addresses of web servers those specific sites requested

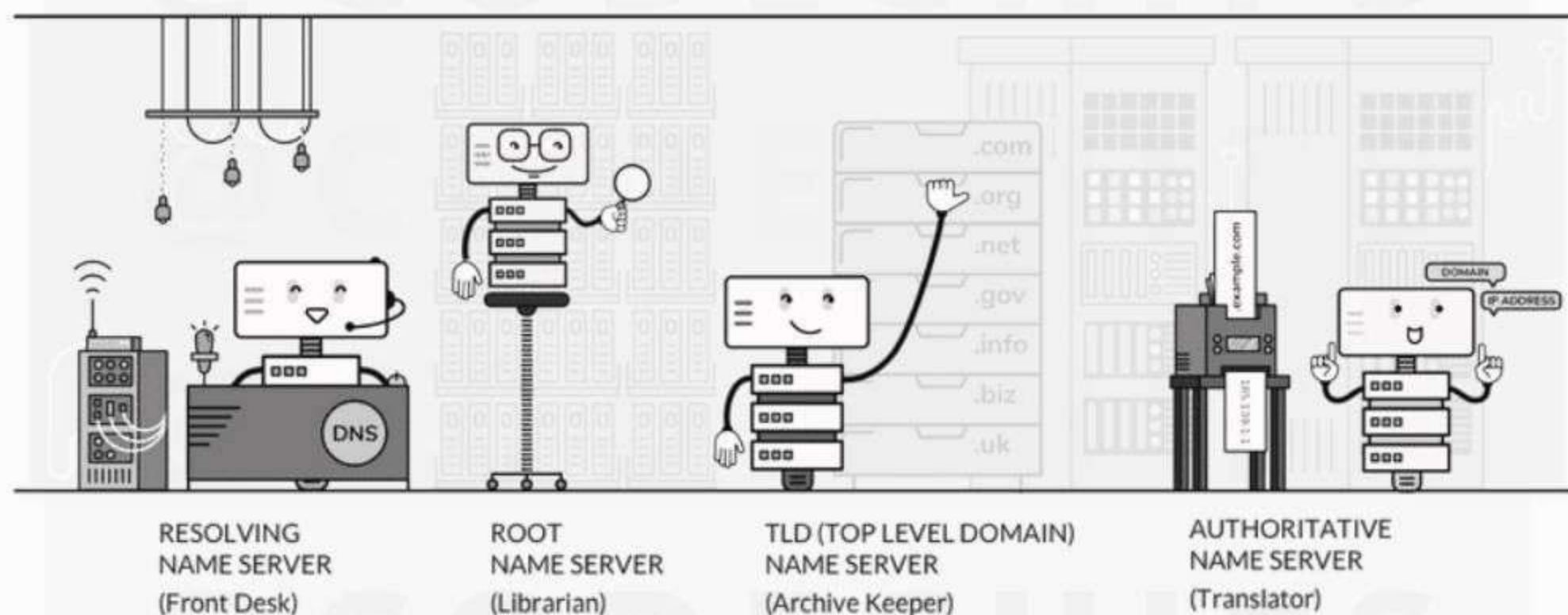






The URL typed in by the user has to go through **four** servers for the IP address to be provided

## THE DNS TEAM



Credits : Lucy Carney - [iotforall.com](https://iotforall.com)