

THE INTERNET

Imagine that we have two computers, one located in London and the other in Seattle. Through the Internet, they can communicate with each other, and transfer data through the Internet.

Some of these computers have a special job, they have to be online 24/7 ready to serve you all the data and files that you are requesting and these are called **Servers**, and any other computer that wants to access the server data and files are called **Client**.

To clarify, imagine that the server is a giant Library, that is open 24/7 and you want to access the Google homepage, so the library will serve you with all the data that you need to access the Google homepage.

What happens behind the scenes?

1. When you type 'www.google.com', your Browser will send the message to your ISP (Internet Service Provider);
2. Then the ISP will relay that message to a DNS (Domain Name System), imagine the DNS as a giant Phone Book, so the DNS will look for your request in database and get the IP Address that you want to access;
3. After the DNS find the IP Address that you looking for, it will reply to the ISP and then the ISP will reply to you Browser;
4. And with the IP Address, you can connect with the Server, in this case the Google Server, so the server will reply to your browser all the data and files that need to access the Google homepage

To summarize, the internet is a bunch of imagine wires, that connect with a bunch of computers.