

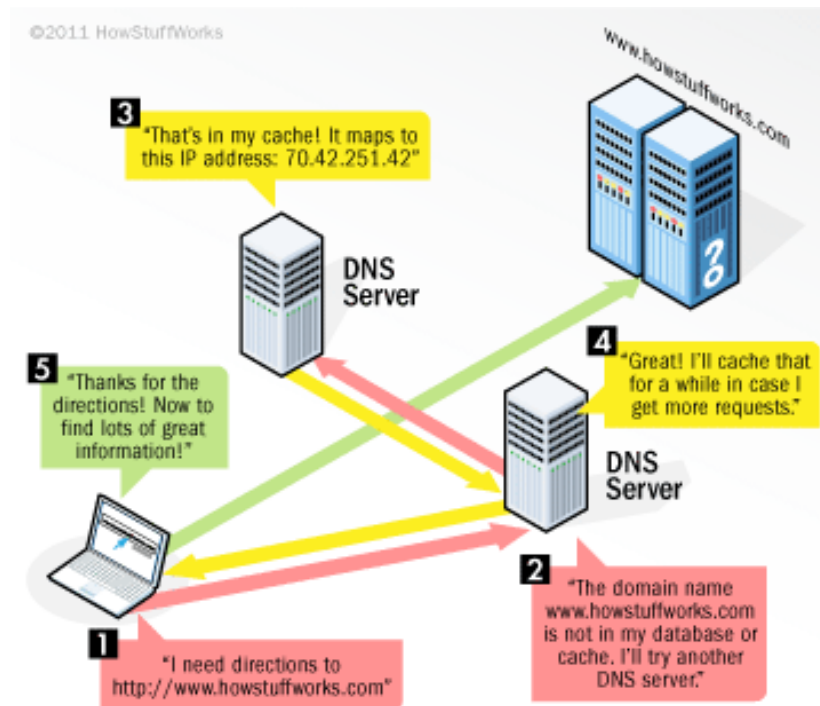
-Hai, fă-ți magia și accesează site-ul, că am nevoie!

And then, “magia” happens, and the browsing starts.



Believe it or not, but even if you see nothing moving on your blank (white) screen, there are a lot of processes taking place. From the very first moment when you try to access the wanted website (e.g. <https://www.facebook.com>), you are actually just asking “somebody” for the actual address of that website name. (like when you’re calling “Miguelito” using your phone – the phone knows what number to call to reach the guy)

Instead, here, we have nothing registered in our computers in the first place, so we gonna strike directly into the most basic architecture ever: Client/Server.



The client (our browser) sends a request to the (DNS) server, and the server sends back a response: the IP address of <https://www.facebook.com>.

Once we (the client) get the IP address, we send another request to get all the information related to that website, but this time to the very server of “Facebook” in our case. (to set everything up and get the proper result/product)

All of this communication happens through Hypertext Transfer Protocols, where instructions are sent, and website gets built. (instructions like HTML code, most probably combined with CSS and JS code)