

Topic/Title:



[Section 1 - video 5 - What is the internet is actually made of?](#)

Keywords/Questions:

Q) If I have the IP address of a server, can I directly establish contact with the server with the need for the ISP connection?

Q) This might get answered in further lessons, but, what is the purpose of SSL / HTTPS? I know also there is a way I can create my own SSL certificate how is that?

Notes:

- To put it simply the Internet is made of computers connected to each other using cables.

These cables carry data at extremely high speeds.

- There are computers that extremely fast and hold a lot of data. Those computers do not have the same operating system me and you use, and they store the website information and data. These computers are known as servers. The computer that requests this data from the server is known as a client. Both the server and client have addresses on the network. The addresses is known as:

IP address.

- In order for both the server and client chat with each other, they need to know each other's IP address.

In order to talk to the server, you will first use a browser. The browser will send a message to the ISP (Internet service provider). The Internet will search the DNS (Internet Yellow book) for the server's IP address corresponding to the name entered in the search bar.

Once the IP address is found, the ISP will reply back to the client with the IP address, the client will then send the request to the server's IP address, and the server will serve the requested documents to the client.

If you want to know the IP address of a website server, visit the following website:

nslookup.io

Summary:

