

Technical Writing Project

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After clicking on <https://www.techtonicgroup.com>, I was directed to a website that displayed the following error code: NET: ERR_CERT-COMMON-NAME-INVALID. It was warning me the website could not be confirmed as safe because the server could not prove that the extended validation certificate belongs to Techtonics and not a fake website. There is a red strike though the protocol indicating the connection is not secure. This can happen due to a certificate not having the correct subject Alternative Name Extension or by an interception of the connection by an attacker.

Starting by either clicking on a link or by entering a URL in the browser, the browser checks the cache for a DNS record to find the correct IP address of the webpage you are going to. If the URL cannot be found in the cache, the DNS continues to search for the IP address by running a DNS query. It will run numerous searches until it finds the correct IP address. When it finds the correct IP address it builds a connection with that IP address to get the information. After the server has received the information it sends back a response to the browser in small packets of information at a time. It sends back the webpage the client requested along with the status code.

The first thing that comes to mind when I think about the server code is Facebook. The user can modify who sees the posts they make, who can comments on them and who may tag them in the posts. The server-side code's main function is to deliver information to the client. It also controls what information is sent to the client depending on the settings. It also can restrict the information and serve only the information that user is permitted to see.

The client-side codes main function is to request information but also deals with the user display. It brings the page to life using scripting makes the web pages interactive.

Runtime starts when a program begins to run on a computer until the time it stops.

For the following bullet points on the pre-work, I either did not understand it or I wasn't looking in the right places to find it. :

- How many instances of the client-side assets are created?
- How many instances of the server-side are available at any given time?
- How many instances of the databases connected to the server application are created?