

## PROXY SERVER:

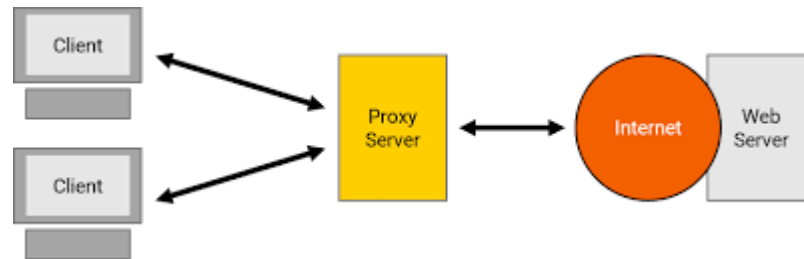
A proxy server is an intermediate through which data flows between a website and the end user.

Suppose if a user is clicking on some link in a search engine or typing in the web address manually the user is actually creating a web request to the particular web address.

Using the Internet Protocol address of the user they might find some personal information about the user and spam with ads. Proxy servers protects users from such problems.

Proxy servers provide a better security and increases the performance for the user.

It also provides end user a functionality to filter the website content.



let us see **how they work?**

Each proxy server has its own IP address which is known only to the user/client who is going to use it.

If client makes any request to the web server, the request first goes to the proxy server.

The proxy changes the actual IP address of the client and then request the web server on behalf of the user.

The response from the web server is collected by the proxy and forwarded to the client.

In this way the actual IP address of the client is not revealed to the web server, protecting the user from receiving any spam content.