CS-MINOR-SEP

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7. Write article on how to change the IP address by using proxies and mention the differences between proxies and VPN

HTTP/S proxies – Usually either browser extensions or special websites that work like a browser within your browser. They only change the IP address on data sent to and from your browser, but do not affect other apps or even DNS traffic. If encryption is included, these are sometimes called SSL proxies.

SOCKS proxies – General purpose proxy servers that can be configured for specific apps including most web browsers. SOCKS5, the latest version, includes support for encryption.

SSH proxies – SSH proxies forward internet traffic from apps like your web browser through a Secure Shell (SSH) connection to a server, so your IP address is changed to that of the server. Although encryption is included, SSH is not a particularly fast protocol, and many websites and apps might not function properly when connected.

differences between proxies and VPN.

S.No	VPN	Proxy
1	VPN ensures encryption, authentication and integrity protection.	Proxy does not ensure or provide any security.
2	Protocols used in VPN are PTTP (Point to point tunneling protocol), L2TP (Layer 2 tunneling protocol) etc.	Protocols used in Proxy are FTP (File transfer protocol), SMTP (Simple mail transfer protocol) HTTP (Hyper Text Transfer Protocol) etc.
3	VPN works on firewall.	Proxy works on browsers.
4	VPN stands for Virtual Private Network. It simulate a private network over public network.	t does not simulate a private network over public network.
5	VPN does not hide the IP address of client.	Proxy uses the anonymous network ID instead of actual IP address of client (means it hides the IP address of client).
6	VPN creates tunnel between end users.	But proxy does not create tunnel between end users.
7	VPN offers high amount of security.	Proxy does not offer any type of security.

Thank You…