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Online class(2pm-4pm)

DIFFERENCE BETWEEN VPN AND PROXY

A virtual private network, or VPN, is a private network that encrypts any data sent to or received from the internet. It helps you securely and privately access websites and use your programs and apps, regardless of the network you’re using.

 proxy server is typically a remote public server accessed through a web app or desktop program that accesses web pages on your behalf.

1. **Security**

**proxy**

* unencrypted proxy servers hide your identity from the website you’re visiting. But they do nothing to encrypt your connection to the proxy server itself.
* By using a public proxy server, you risk ending up with a less secure connection than by just connecting to a web server directly through your browser.
* Paid proxy servers with HTTPS connections and password protection are usually safe. But they’re still limited compared to the end-to-end All they can see is that you’re loading encrypted data from a VPN. It protects your data from any malicious hackers on an open network.

**VPN**

* vast majority of commercial VPNs are safe to use. A VPN loads the data on the server-end and then encrypts the data before sending it to the client on your computer.

**2. Privacy**

**VPN**

* Locally installed VPNs offer complete encryption of your data from the moment it leaves your computer until its destination. That means it’s a lot harder for people to spy on your data. Hence they offer more privacy
* Even if you’re on an open WIFI network, the encryption protects your

data from being intercepted by malicious hackers.

**Proxy**

* Proxy servers just act as a go-between and hide your IP address from the web server you visit.

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**3. Cookies**

* But with a VPN, the cookie will mistake the VPN’s IP address for your own, which will offer some level of protection against fingerprinting and other digital tracking techniques.
* A proxy server will also trick the website into storing a cookie with a different IP address.

**4. Cost**

* most available proxies are public and free, while VPN services typically cost between $5 and $12 per month.

**5. Connection Speed**

* With a public proxy server, you may struggle to even get a single megabit per second, while some VPNs offer speeds of 50 Mbps or higher.
* using a VPN can even speed up your connection