

Remake of NOSS Recap So Far Week 7

↻ VPNS - Purpose, Types, Implementation, Challenges

↻ Vpn's use encryption to create a virtual secure tunnel whilst using the open Internet

↻ VPN

They encrypt your internet connection, which helps protect your online privacy and security by preventing hackers, governments, or ISPs from monitoring your online activities.

↻ Two types of vpn connection

Remote access
Site to site

↻ VPNs

Allows for secure remote access for employees working at home by creating an encrypted tunnel for data transmission

↻ A VPN, which stands for virtual private network, establishes a digital connection between your computer and a remote server owned by a VPN provider, creating a point-to-point tunnel that encrypts your personal data, masks your IP address, and lets you sidestep website blocks and firewalls on the internet.

↻ How a VPN is working (tunnel, Ipsec, OpenVPN)

↻ Vpn is very useful for exploring Dark Web :)

↻ This padlet is sponsored by Nord VPN

A VPN create a secured tunnel from your computer to a VPN Server, and use the VPN Server to connect to internet

↻ Vpn

Uses point to point tunneling protocol (PPTP)

↻ VPN traffic is encrypted

↻ VPN

Although private VPN's are secure, public VPN companies have been caught logging data and selling user data to other company's. **PureVPN** – back in

2017, this British Virgin Islands-based VPN provider was caught logging user data and selling it to the FBI.



⇒ **OpenVPN is a virtual private network system that implements techniques to create secure point-to-point or site-to-site connections in routed or bridged configurations and remote access facilities. It implements both client and server applications.**



⇒ VPN

VPN's are used to encrypt your Internet connection and the data being sent to ensure a secure connection, usually by those working from home and making remote connections to the organisation's network.



Service provider VPN's use Multiprotocol Label Switching (MPLS) to create secure channels between sites, creating a separate traffic flow from other customer traffic.



Site-to-site VPN's is only encrypted between gateways.



Unfortunately, none of these could stop Cardiff City being terrible and might as well have not tried to establish communications.

