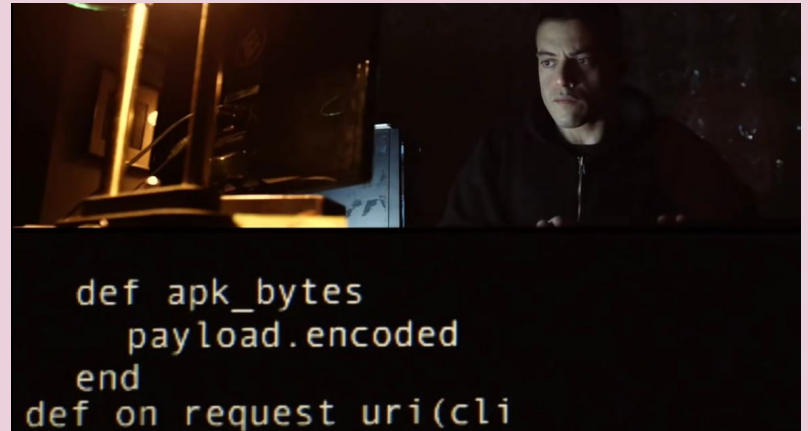
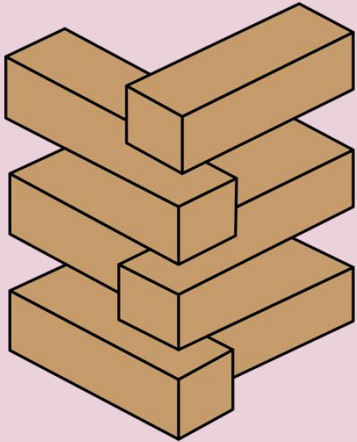




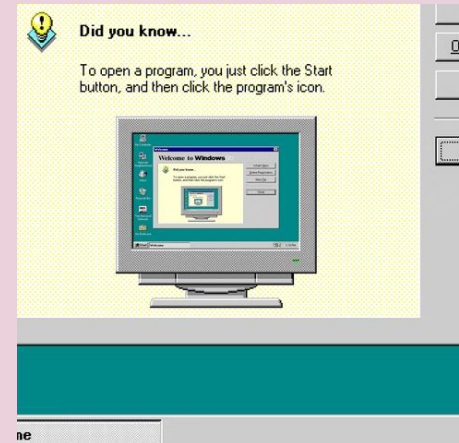
Intro to Wireshark.

Presented by 9ball (mariam)



Objectives - This talk was great because i now understand

- What / why linux ?
- Http vs https
- Why you shouldn't use 'free' wifi
- What is wireshark ?
- How to use and read wireshark.



Linux - what, why...huh?

- Linux is an operating system
- There are many distributions of linux (arch, ubuntu, kali, manjero, mint etc.)
- It is open source
- Privacy (no data sent for analytics to private organisations)
- Its free

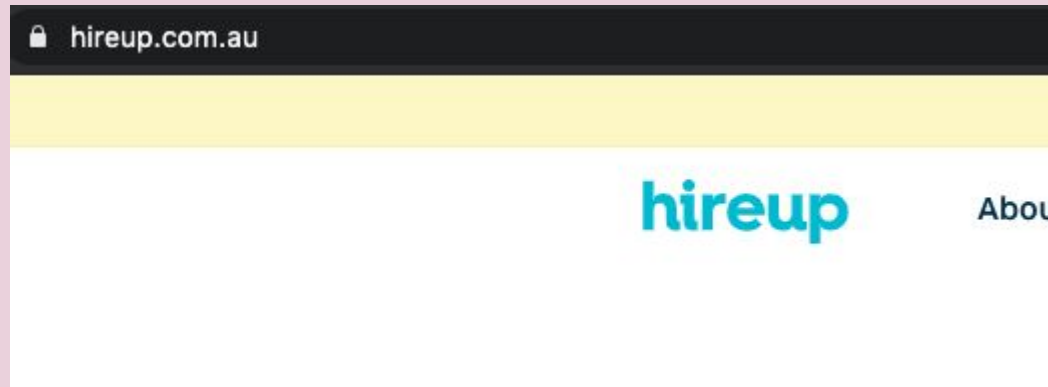


When they ask you what antivirus you use in Linux...



HTTP vs HTTPS

- S on https stands for secure
- Same thing as http except it is encrypted
- Many websites today use https
- Sometimes websites may choose to only use https where sensitive data is required. At hireup we use https all throughout the site.



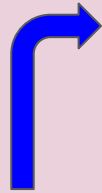
What is packet sniffing?

- A request you make is broken down into small pieces of data called packets. Each packet has an IP address.
- Whilst these packets are travelling across the internet to the destination they can be susceptible to eavesdropping and even modification also known as packet sniffing



Free WiFi? hahah...ok

The connection between your device and the router is in plain text and is not encrypted. The data is being sent in every direction. This means anybody can pick up the data packets and access all of the data flowing through to see what people have been doing.

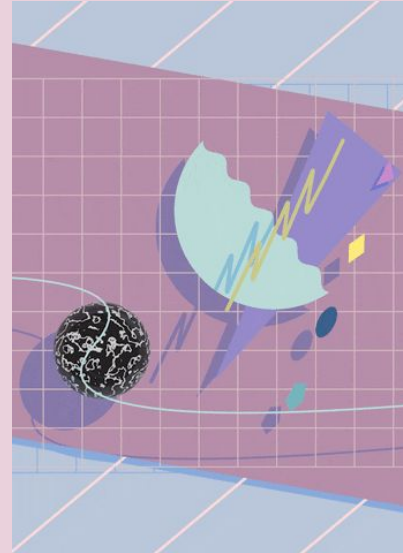


Stealing someones data
like...



How do i protect myself?

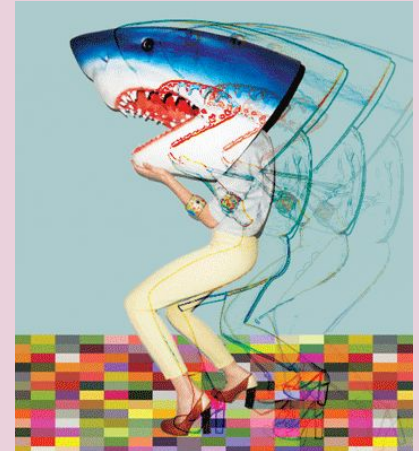
- Don't use public free wifi.
- Ensure any site you visit where sensitive data is required is using https instead of http.
- Use a VPN to secure the connection



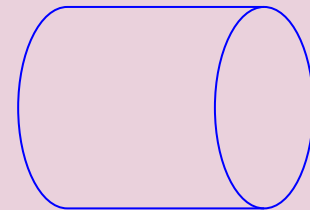
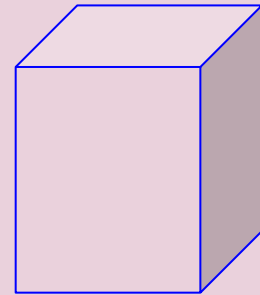
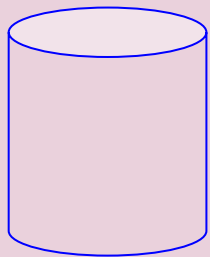
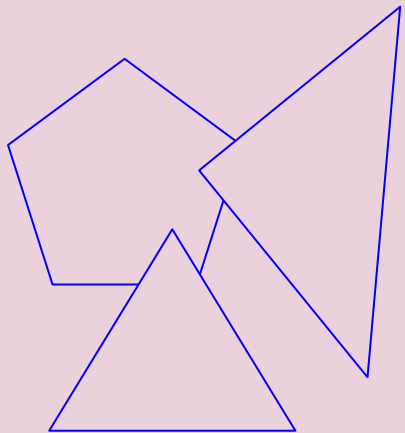
Wireshark

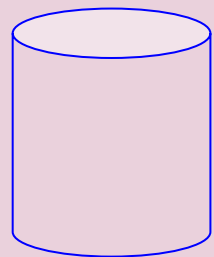
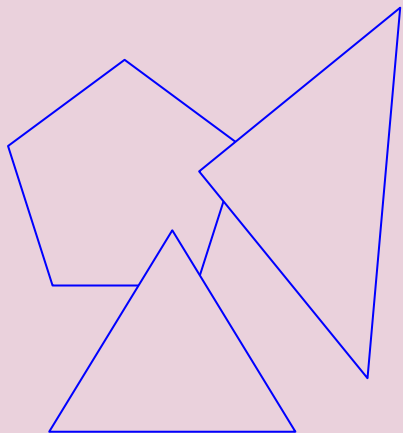
What is it ?

- A network packet analyzer
- Used to troubleshoot network issues
- Used to examine security problems



Demo





Thank you

