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SEQA

Definitions

- Cyber **security** is about data protection from unauthorized modification, unauthorized access, and data corruption.
- **Privacy** is about restricting data being shared as minimal as possible.
- **Anonymity** is about staying as neutral as possible with no referal to identification.

Choose 2 of 3

While doing oppsec, you will be having to weight off options between these 3 pilars. A profile that fits your threat model is personal.

The importance of threat modeling.

We're moving towards a digital era where decisions are based on historic events which in theory should benefit us but in practice has turned out to be more of a tool for control and surveillance.

Advertisement

Spam

Email

Marketing

Social Media

Data

Australia's "Surveillance Legislation Amendment (Identify and Disrupt) Bill 2021"

- Data disruption warrants
- Network activity warrants
- Account takeover warrants

Five Eyes

The FVEY has been spying on one an other's citizens and sharing the collected information with each other in order to circumvent restrictive domestic regulations on surveillance of citizens.



Choosing your strategy

- Browser
 - Fingerprint
- Mail
 - Alias
- Password Manager
 - o 2FA
- Storage
 - File encryption
- Text communication
 - Messenger
- ...



Thoughts

- Decentralized
- Stateless



Identity

- Credit card
- Phone number
- Address
- Passport



network security

hy are you trying to read this.



Always use an ap such as Lockdown in iOS to block unwanted traffic



Mobile phones, yay!



DNS

Use at minimum a good cloud provider such as Cloudflare.

Up your game with free services such as NextDNS, Quad9 or Adguard.



Adblockers



```
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     <uses-feature android:name="android.hardware.location.gps" android:required="false"/>
    <uses-feature android:name="android.hardware.location.network" android:required="false"/>
    <uses-feature android:name="android.hardware.location" android:required="false"/>
    <uses-feature android:name="android.hardware.LOCATION" android:required="false"/>
    <uses-permission android:name="com.google.android.c2dm.permission.RECEIVE"/>
    <uses-permission android:name="org.telegram.messenger.permission.MAPS_RECEIVE"/>
    <uses-permission android:name="com.google.android.providers.gsf.permission.READ_GSERVICES"/>
    <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"/>,
    <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" />
    <uses-permission android:name="android.permission.CALL_PHONE"/>
    <uses-permission android:name="android.permission.FOREGROUND_SERVICE"/>
    <uses-permission android:name="android.permission.READ_CALL_LOG"/>
    rmission android:name="org.telegram.messenger.permission.MAPS_RECEIVE" android:protectionLevel="signature"/>
    <supports-screens android:anyDensity="true" android:largeScreens="true" android:normalScreens="true" android:resizeable="true" android:smallScreens="true" android:xlargeSc</pre>
reens="true"/>
    <uses-feature android:glEsVersion="0×00020000" android:required="true"/>
    <uses-feature android:name="android.hardware.telephony" android:required="false"/>
    <uses-feature android:name="android.hardware.wifi" android:required="false"/>
    <uses-feature android:name="android.hardware.screen.PORTRAIT" android:required="false"/>
    <uses-feature android:name="android.hardware.microphone" android:required="false"/>
    <uses-feature android:name="android.hardware.camera" android:required="false"/>
    <uses-feature android:name="android.hardware.camera2" android:required="false"/>
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.RECORD_AUDIO"/>
    <uses-permission android:name="android.permission.MODIFY_AUDIO_SETTINGS"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
    <uses-permission android:name="android.permission.WAKE_LOCK"/>
    <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.GET_ACCOUNTS"/>
    <uses-permission android:name="android.permission.READ_CONTACTS"/>
    <uses-permission android:name="android.permission.WRITE_CONTACTS"/>
    <uses-permission android:name="android.permission.MANAGE_ACCOUNTS"/>
    <uses-permission android:name="android.permission.READ_PROFILE"/>
    <uses-permission android:name="android.permission.WRITE_SYNC_SETTINGS"/>
    <uses-permission android:name="android.permission.READ_SYNC_SETTINGS"/>
    <uses-permission android:name="android.permission.AUTHENTICATE_ACCOUNTS"/>
    <uses-permission android:name="android.permission.VIBRATE"/>
    <uses-permission android:name="android.permission.SYSTEM_ALERT_WINDOW"/>
    <uses-permission android:name="android.permission.READ_PHONE_STATE"/>
    <uses-permission android:name="android.permission.RECEIVE_BOOT_COMPLETED"/>
    <uses-permission android:name="android.permission.USE_FINGERPRINT"/>
    <uses-permission android:name="android.permission.USE_BIOMETRIC"/>
    <uses-permission android:name="android.permission.INSTALL_SHORTCUT" />
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    <uses-permission android:name="com.android.launcher.permission.UNINSTALL_SHORTCUT"/>
    <uses-permission android:name="android.permission.CAMERA"/>
    <uses-permission android:name="android.permission.BLUETOOTH"/>
```



Hosts file

Steven black is notorious for his unwanted ads collection



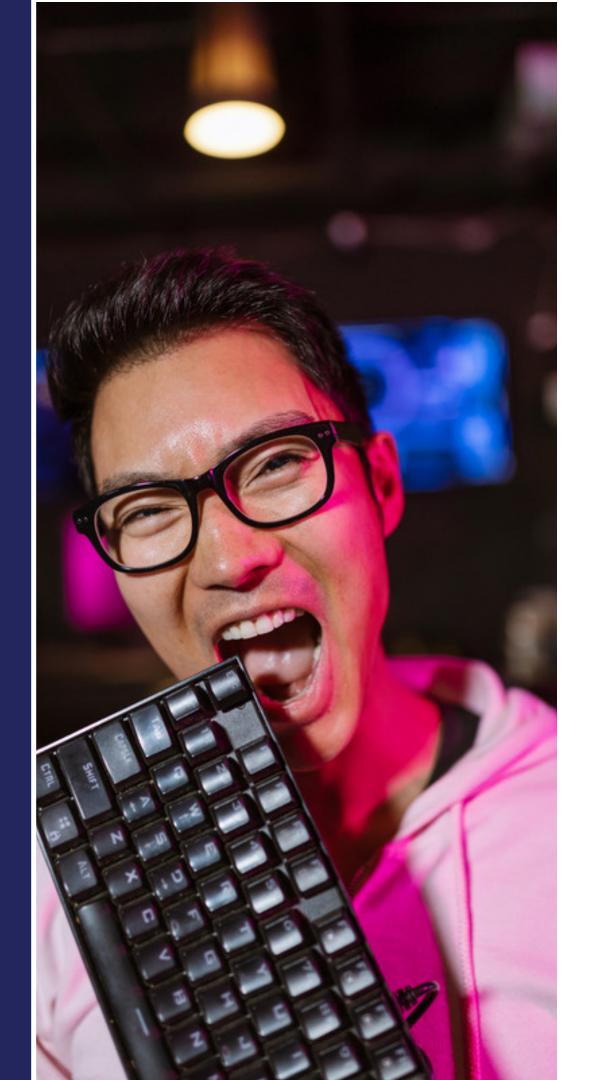
Host based firewall

Catching things coming in or out is key. Therefor setting up awesome apps like Little Snitch or Lulu can help you save some bandwith as well as protecting your computer from malware.



Appliances

Routers and cloud environments to help you defend your network after a long day or when travelling.



Some Cyber Security Things That You Should Know



Third parties

ISPS, VPN providers or anyone you pay for anonymity will work with intelligence agencies.



Security Network

Alternative providers such as Tor are funded by the intelligence agencies.

A yellow button



Some things to consider...



Mail providers

Protonmail, Tutanota

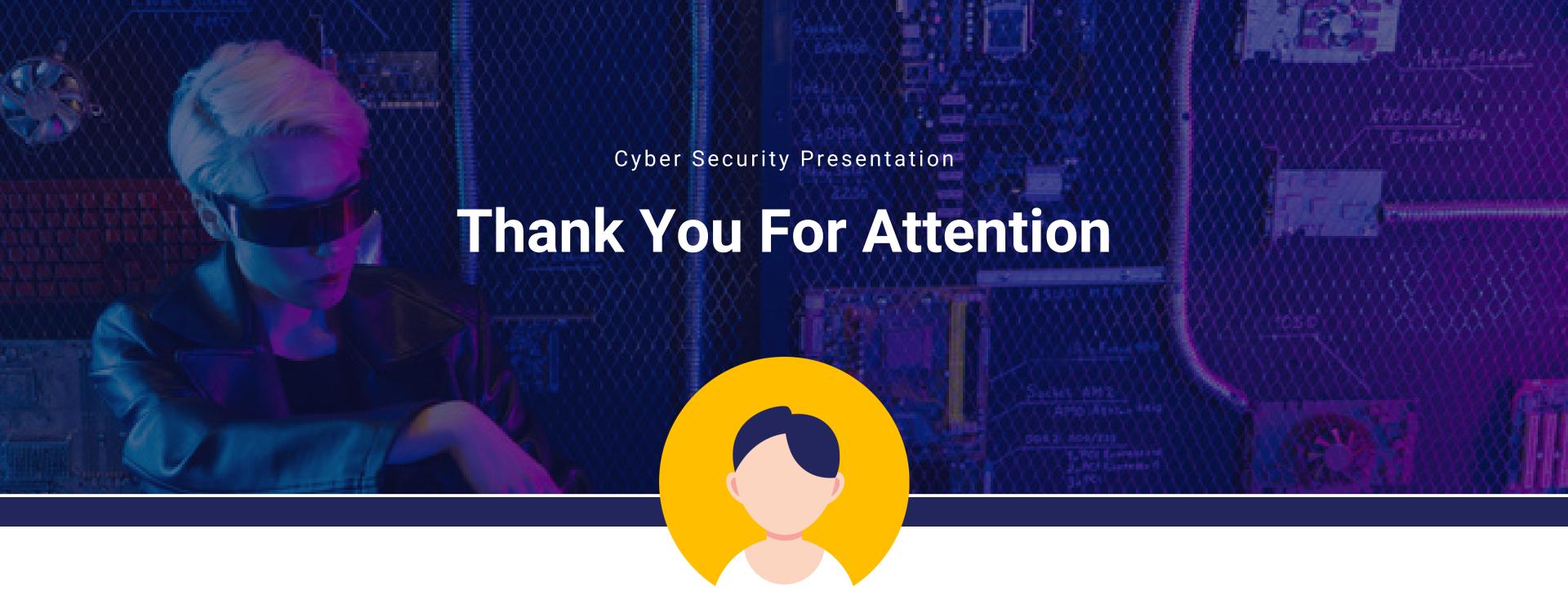
The whole idea of securing emails is broken due to the metadata that cannot be end-2-end encrypted.



Payment cards

ANZ, countdown, snapper

These will be used in order to find patterns and triangulate on your daily routine.



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