Online Financial Safety

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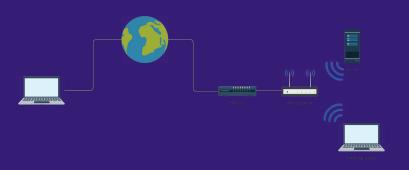
Network



A system connecting devices to one another within a given location

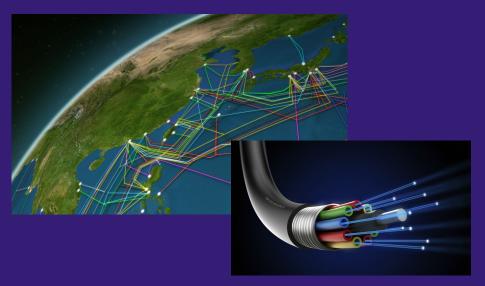
- LAN (Local Area Network)
 - Most common type used
 - Found in households and small businesses.

Internet



A global system of cables connecting networks throughout the world

The internet connects you to another network, accessing that data from any location



This provides:

- universal access to information
- global communication
- convenient connections to goods and services

Online Banking Services

The internet enables banks to provide remote account access for their customers

- Instant monetary transactions
- Account management from afar
- Reducing needs to visit your local bank for adjustments or services









Threat Actor

Threat actors are individuals attacking your data security

- Forcing your devices (tablets, phones, computers, etc) to malfunction or break
- Stealing your personal information
- Accessing your bank accounts and finances

Threat Actor Motives



Financial gain

 Extort money from individuals, businesses, and governments

Political/Ideological

 Disrupt businesses or government functions

Notoriety/Leisure

- Out for revenge
- Doing it for fun

Credit Card Fraud

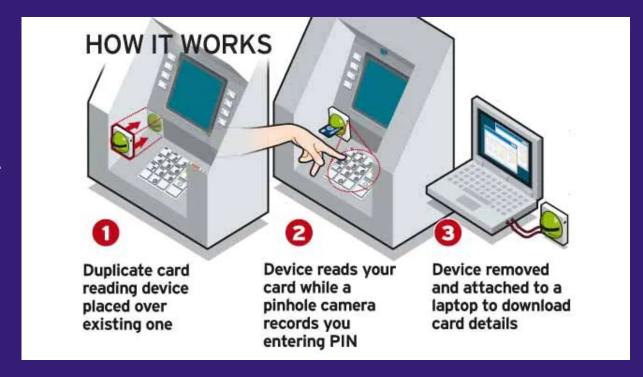


Credit card information is stolen to make purchases

- Charging personal accounts
- Damaging finances
- Impacting credit

Credit Card Fraud: Skimming

Threat actors placing a device on card readers to scan and save debit/credit card information



Site Spoofing



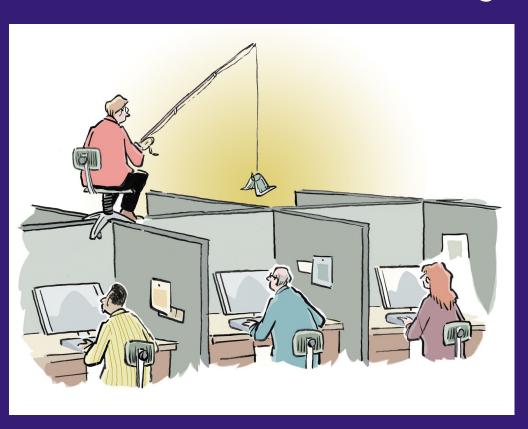
A Threat Actor creates an identical website to a legitimate website

- pretends to be that company

 steals sensitive information when people don't notice the difference

 uses that sensitive information to access personal accounts

Social Engineering



Exploiting and manipulating human flaws to access personal information and protected systems

Hacking human psychology instead of computers

Social Engineering Attacks

This is how Australians get the new Samsung Galaxy S10 for only \$3

f you live in Australia and want the brand new Galaxy S10, then this may be the most exciting article you'll ever read.

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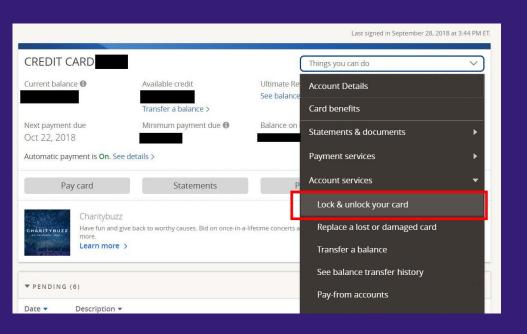
Phishing: texts/emails requiring your input, impersonating a financial institution, government authority, or business

- Provides a direct link
 - Clicking corrupts your device

Physical Interaction: exploiting human sympathy/trust to bypass authority and access private accounts/locations

Financial Protections

Debit/Credit Card



- Report any odd or suspicious transactions that you didn't authorize on your card
- Do not save your credit/debit card information on websites
- Locking your credit/debit card prevents threat actors from misusing it
- Contact your banking provider to lock any lost or stolen debit/credit cards ASAP

Watch for Skimming Devices



Check for fake card readers before using the device

 bulky/loose fitting attachments on the PIN keypad

Report this device to your local law enforcement if found

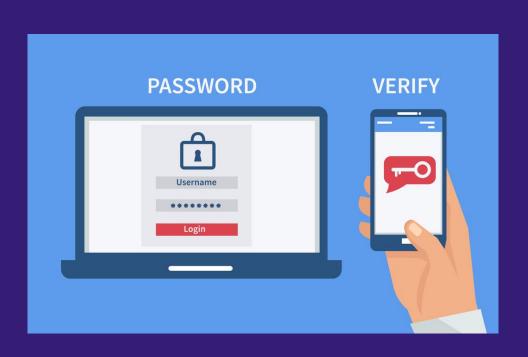
Log Out Accounts/Shut Off Computers



Log out of all accounts or devices you are done using

- Prevents threat actors from stealing information from that account/device
- Stops account and device misuse from family, work associates, and strangers

Implement Two Factor Authentication



Requires individuals to verify that they are the person logging in

- Requiring your permission every time you log in

Ex. Receiving a request on their phone to verify their identity

Online Account Protection

Change your Passwords frequently

- changing/rotating passwords keeps threat actors with old information out of your accounts
- Keep and update your new passwords in a safe location or password manager

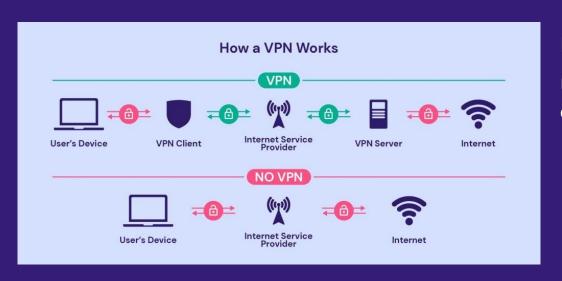


HTTP vs HTTPS

Connect to the Internet Securely

- Check the website's URL for a lock symbol
- Ensure the start of the url says HTTPS.
 - If the url says and HTTP (not HTTPS) it is not secure.

Use a VPN on Public Wifi



Easily to Access = Easy to Exploit

Use a VPN when connecting to wifi in a public place, hotel or airport

- hides your internet usage from internet provider
- protects your important accounts and credentials that require an online connection

Fake Urgency/Authority

Don't provide personal or financial information to sudden messages

- Legitimate organizations do not request:
 - your social security number
 - banking account number
 - credit card number

Avoid immediate action

- Scammers pressure individuals to pay or provide information
- Certified organizations proved enough time to make informed decision

Source: https://consumer.ftc.gov/articles/how-avoid-scam

Links and Attachments



Check for hazardous links and attachments

- Only open files you know are safe

 Hover the mouse over a link to see where it will take you