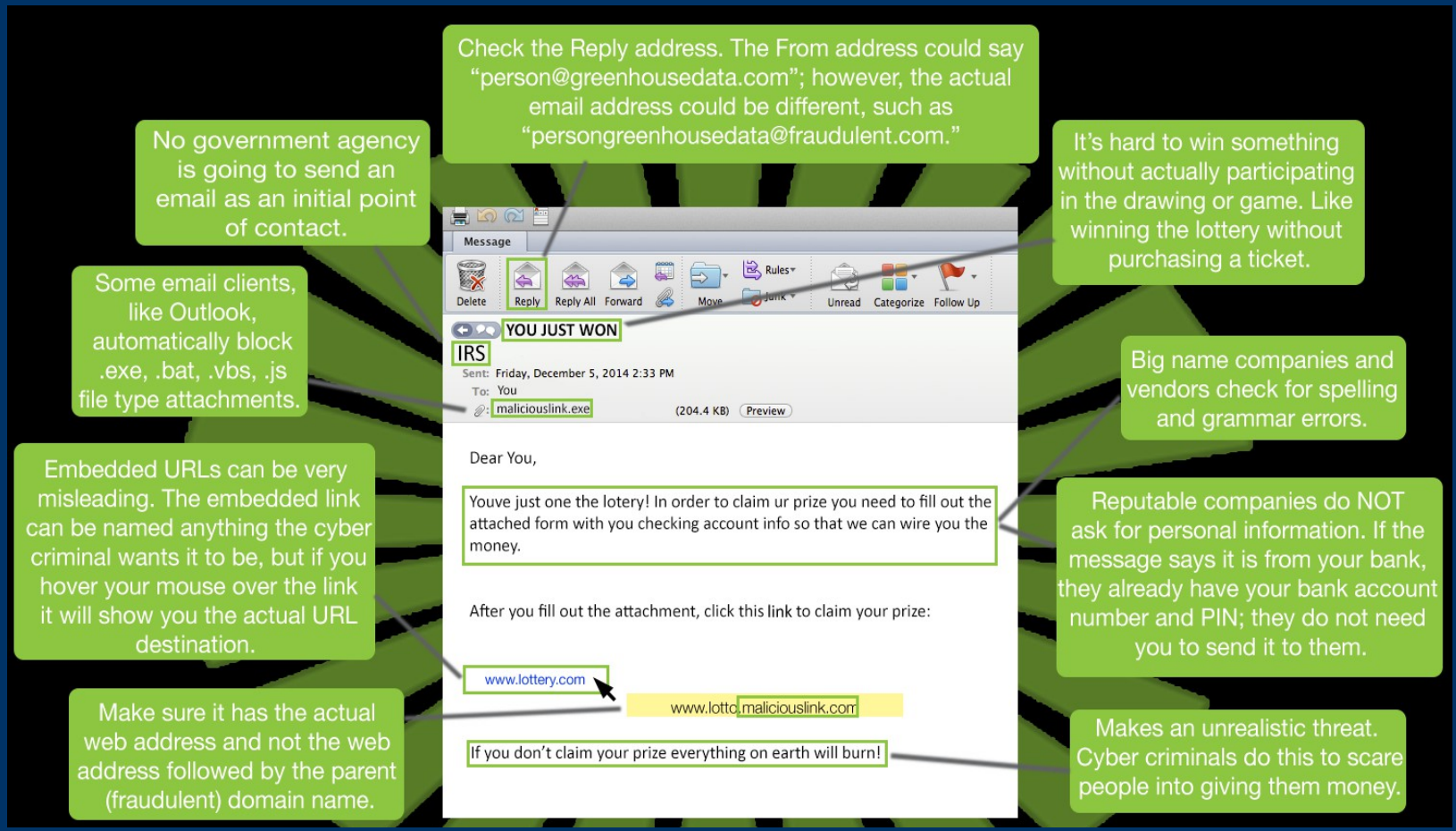
Beware

Be Cyber aware

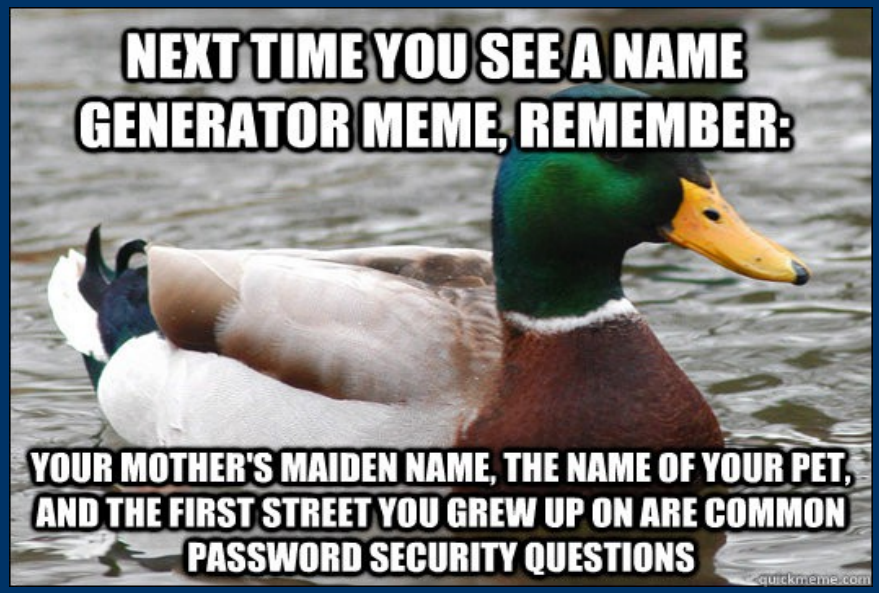
Josh Hollyfield

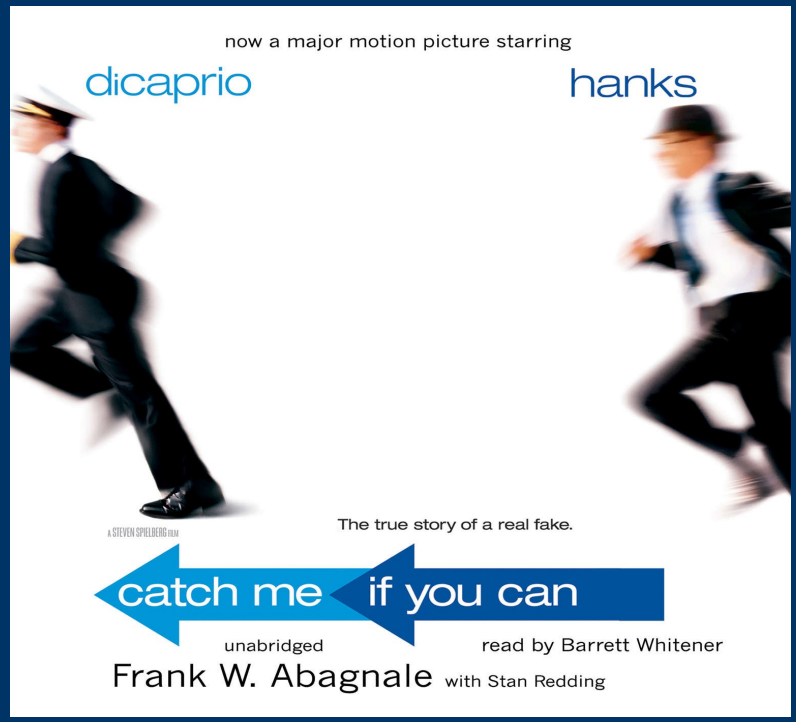
Phishing *Vishing, smishing, spear phishing, whaling*



Social Engineering

- A manipulation technique that exploits human error to gain private information, access or valuables.
- Online or IRL



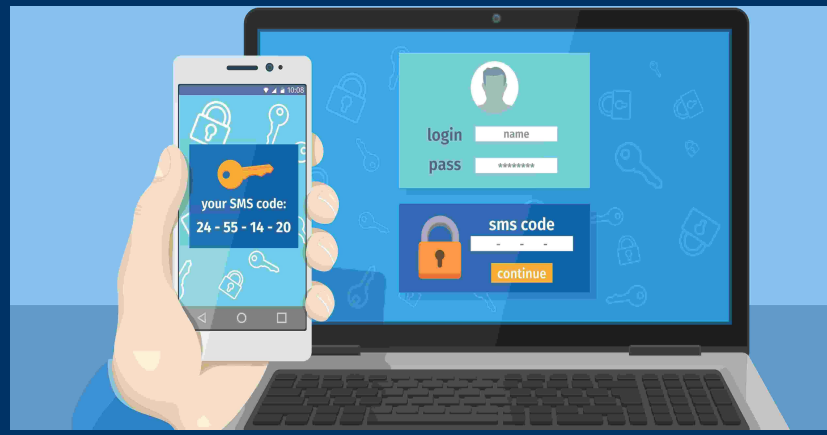


Passwords

- Keep your passwords strong and different
- Three words with numbers and special characters

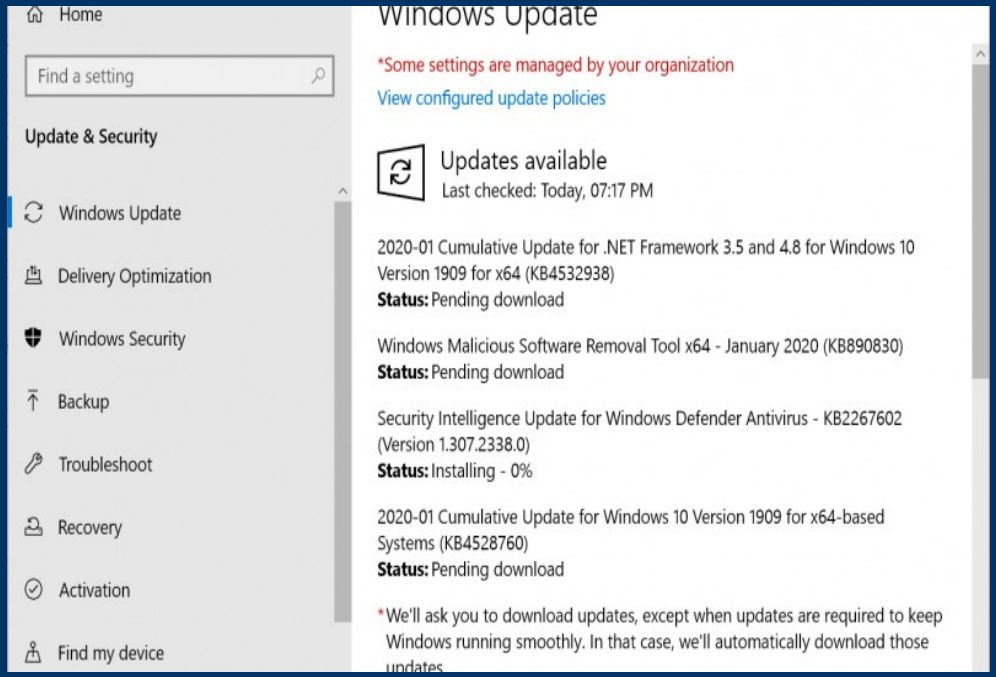
2FA

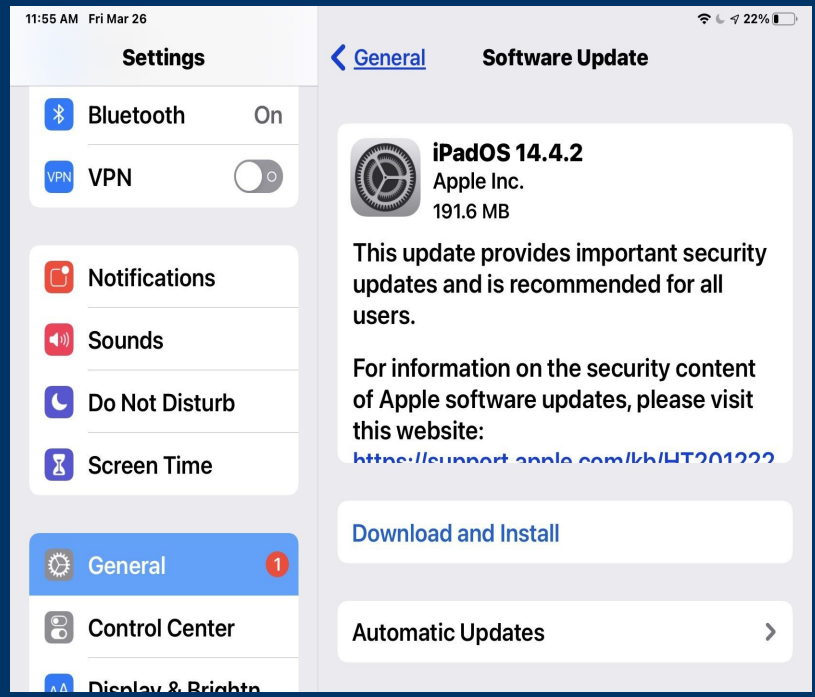
- Provides an added layer of security
- Something you know, have or are



Updates!

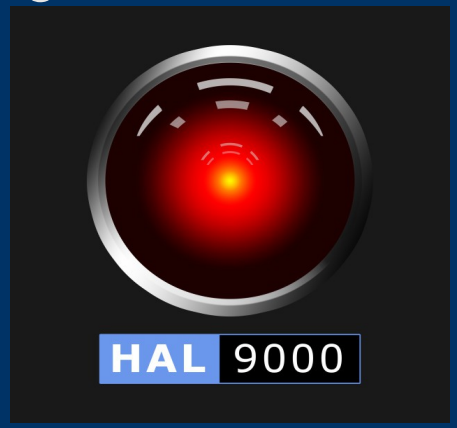
- Please keep your devices updated.





Internet of Things

- The concept of connecting devices to each other and the internet and having the devices share information with each other.
- Devices can pose massive security risks.
- Buy from reputable manufacturers.
- Make sure you know what you're getting into when investing in these devices.

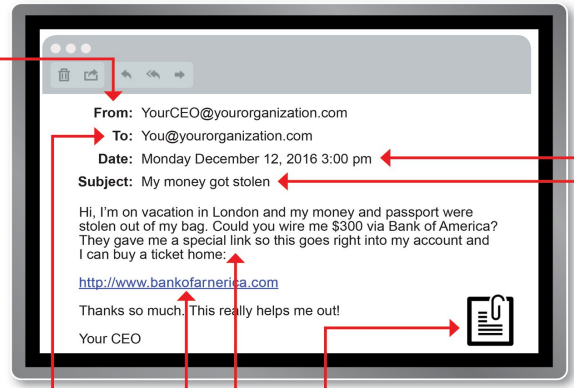


Phishing

Social Engineering Red Flags

FROM

- I don't recognize the sender's email address as someone **I ordinarily communicate with**.
- This email is from **someone outside my organization and it's not related to my job responsibilities**.
- This email was sent from **someone inside the organization** or from a customer, vendor, or partner and is **very unusual or out of character**.
- Is the sender's email address from a **suspicious domain** (like micorsoft-support.com)?
- **I don't know the sender personally** and they **were not vouched for** by someone I trust.
- **I don't have a business relationship** nor any past communications with the sender.
- This is an **unexpected or unusual email** with an **embedded hyperlink or an attachment** from someone I haven't communicated with recently.



DATE

- Did I receive an email that I normally would get during regular business hours, but it was **sent at an unusual time** like 3 a.m.?

SUBJECT

- Did I get an email with a subject line that is **irrelevant** or **does not match** the message content?
- Is the email message a reply to something **I never sent or requested**?

ATTACHMENTS

- The sender included an email attachment that **I was not expecting** or that **makes no sense** in relation to the email message. (This sender doesn't ordinarily send me this type of attachment.)
- I see an attachment with a possibly **dangerous file type**. The only file type that is **always safe to click on is a .txt** file.

TO

- I was cc'd on an email sent to one or more people, but **I don't personally know** the other people it was sent to.
- I received an email that was also sent to an **unusual mix of people**. For instance, it might be sent to a random group of people at my organization whose last names start with the same letter, or a whole list of unrelated addresses.

HYPERLINKS

- I hover my mouse over a hyperlink that's displayed in the email message, but the **link-to address is for a different website**. (This is a **big** red flag.)
- I received an email that only has **long hyperlinks with no further information**, and the rest of the email is completely blank.
- I received an email with a **hyperlink that is a misspelling** of a known web site. For instance, www.bankofarnerica.com — the "m" is really two characters — "r" and "n."

CONTENT

- Is the sender asking me to click on a link or open an attachment to **avoid a negative consequence** or to **gain something of value**?
- Is the email **out of the ordinary**, or does it have **bad grammar** or **spelling errors**?
- Is the sender asking me to click a link or open up an attachment that **seems odd** or **illogical**?
- Do I have an **uncomfortable gut feeling** about the sender's request to open an attachment or click a link?
- Is the email asking me to look at a **compromising or embarrassing picture** of myself or someone I know?

Malware

- Software that has been created to harm or exploit another piece of software or hardware
- Includes: Ransomware, viruses, worms, spyware and bots
- Good security practices: Not downloading files from unknown sources, having anti-malware software, not using your admin account for every day tasks

Backups

- Follow the 3-2-1 rule
  3 copies, 2 different media, 1 copy off site

Thanks for listening
Thanks for understanding!