Multi-Factor Authentication

Paul Herrick OLLI Fullerton: CLECAT Club November 7, 2022

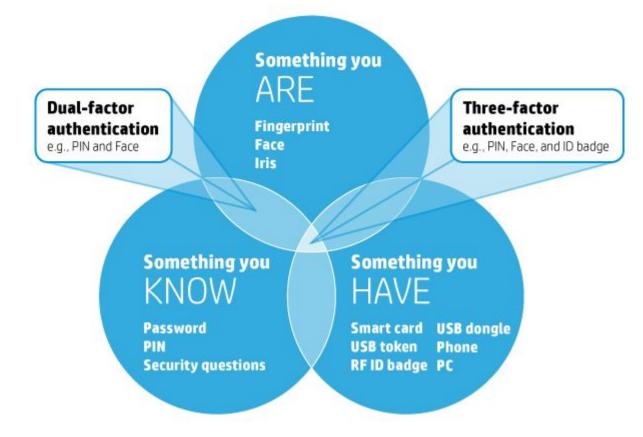
Summary

What is Multi-Factor Authentication?

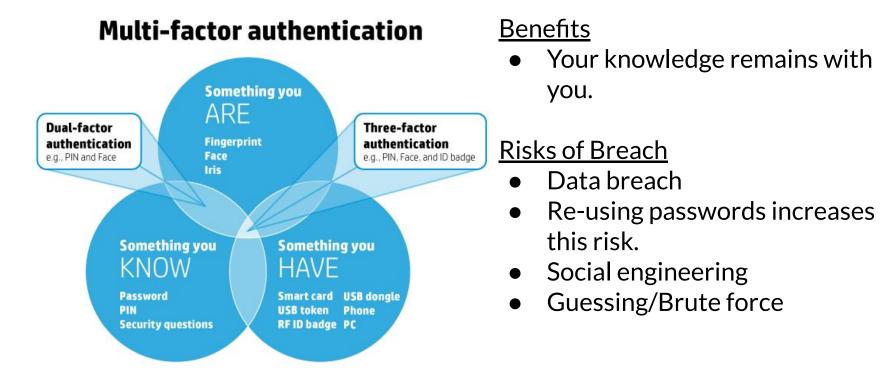
Password Managers

Other security features

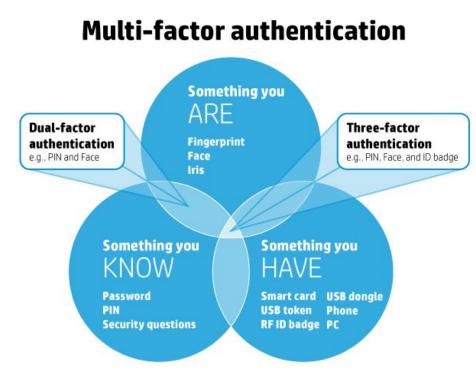
Multi-factor authentication



Something you KNOW



Something You HAVE



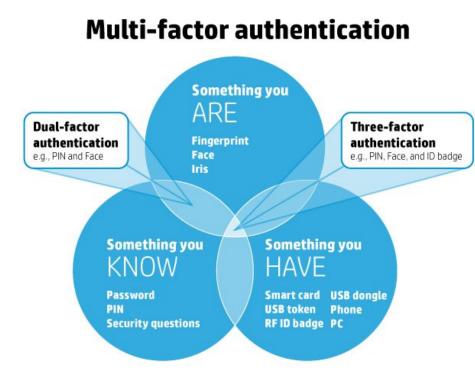
Benefits

 Something you have is inaccessible to the distant data-breach hacker.

Risks of Breach

• Theft of device, or it falling into the wrong hands.

Something You ARE



Benefits

• Your biomarkers are much harder to replicate or steal than a password or device.

Risks of Breach

- Your photograph
- Your identical twin?

MFA Options

- 1. Phone SMS Text Message (least secure)
- Phone App DUO, Google Authenticator, Authy
- 3. Physical Key YubiKey, RFID card
- 4. Face/fingerprint

MFA Account Priority

- 1. Fullerton. edu (DUO)
- 2. Bank
- 3. Investment broker
- 4. Email The keys to the kingdom, can reset ALL your passwords
- 5. Password manager
- 6. Phone (pattern, fingerprint, code)
- 7. Social media (Facebook, Twitter, etc) Your online reputation.

Don't lock yourself out!

- Losing the MFA device
- Former employee had the 2FA device for company Facebook.
- Ending employment or losing an ISP email address.
- Shared accounts
- Digital Estate Planning (CLECAT Oct 31, 2022)

Configuring Multiple MFA Methods on Google

- myaccount.google.com
- > Security
- >Signing into Google
- >2 Step

¢	Authenticator app Google Authenticator is configured for your account. Added 625 days ago	>
	Voice or text message (714) 322- Verified Verification codes are sent by text message. (714) 264- Verified Verification codes are sent by text message. (714) 609- Verified Verification codes are sent by text message.	>
×	Backup codes 10 single-use codes are active at this time, but you can generate more as needed.	>





LastPass ****

or



Other Online Security

Password Managers

HTTPS

Incognito Mode

VPN

Password Managers

CLECAT presentation February 14, 2022 on

LastPass password manager

Link <u>https://vimeo.com/656744369/53a578749e</u>

1Password and many others are all better than not having one.



Hypertext transfer protocol secure

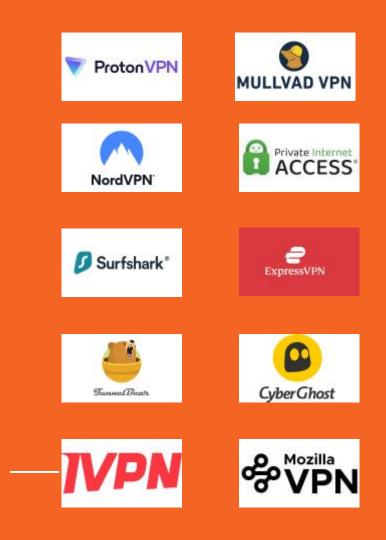
Incognito Mode

Or Private Mode

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G	New Window	ЖN
	New Incognito Window	ራжN

VPN

Virtual Private Network Top 10 VPNs of 2022



Questions

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