Online Protection

Also see Social Networking & Doxxing and Online Privacy.

Reference

- https://www.cisa.gov/secure-our-world
- https://www.cisa.gov/topics/cybersecurity-best-practices
- https://www.techlore.tech/resources
- https://cure53.de

Credit Report

- Freeze credit report
 - Free service from credit agencies
 - Can be "frozen and unfrozen" immediately at anytime.
 - https://www.usa.gov/credit-freeze

Passwords

- Use a strong password
 - https://www.cisa.gov/secure-our-world/use-strong-passwords
- Use a password manager
 - Bitwarden https://bitwarden.com (cloud-based)
 - Keepass https://keepass.info (Local storage)
- Use a different password for each account
 - If a hacker gets one password, they can try the same password for other accounts.
- Use Multifactor authentication (MFA) or Two factor authentication (2FA)
 - Use the app version recommended by the vendor
 - Text message (SMS) method is not recommended and less secure

Quantum-Resilient Password Lengths

As of May 2025

Password Use Case	Recommended Length (Post-Quantum)	Notes		
Standard login password (hashed with bcrypt/scrypt/Argon2)		Include upper/lowercase, numbers, symbols. Use a passphrase (e.g., "CorrectHorseBatteryStaple").		
High-security systems (admin, financial, sensitive data)	IZU-Z4+ characters	Use passphrases or random strings from a passwor manager.		

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Password Use Case	Recommended Length (Post-Quantum)	Notes		
Encryption passphrases (e.g., PGP, file encryption)		Quantum attacks may eventually brute-force shorter keys; longer passwords help mitigate risk.		
Wi-Fi passwords (WPA3)	16-24 characters	Use maximum supported length to reduce offline cracking potential.		

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