How to Keep Your Computer and Phone Secure

David J. Malan
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Secure
passwords
1. 123456
1. 123456
2. 123456789
1. 123456
2. 123456789
3. qwerty
1. 123456
2. 123456789
3. qwerty
4. password
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
6. 12345678
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
6. 12345678
7. 12345
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
6. 12345678
7. 12345
8. iloveyou
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
6. 12345678
7. 12345
8. iloveyou
9. 111111
1. 123456
2. 123456789
3. qwerty
4. password
5. 1234567
6. 12345678
7. 12345
8. iloveyou
9. 111111
10. 123123
brute-force attacks
4-digit passcode
10 × 10 × 10 × 10
10,000
4-letter passcode
52 \times 52 \times 52 \times 52
4-character passcode
94 × 94 × 94 × 94
78,074,896
8-character passcode
94 × 94 × 94 × 94 ×
94 × 94 × 94 × 94
6,095,689,385,410,816
iPhone is disabled
try again in 1 minute
iPhone is disabled
try again in 1 minute
iPhone is disabled
try again in 1 minute
Too many attempts. Try again later.
Too many attempts. Try again later.
Too many attempts. Try again later.
two-factor authentication
2-step Verification

Use your device to sign in to your Google Account.

Enter verification code

Get a verification code from the "Google Authenticator" app

Enter the 6-digit code

Done

Don't ask again on this computer
password managers
1password.com
lastpass.com
encryption
end-to-end encryption
https://zoom.us/j/5551112222
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