



Quietech's Password Tips

What Makes a Good Password?

1. **Length** – Use at LEAST eight-characters, but keep in mind that the longer the password, the harder it is to crack!
2. **Complexity** - Make an effort to include upper and lower case letters, as well as numbers and special characters!

Here's an easy trick to get a more secure password. Let's say you love Daisies. Instead of making your password **lovedaisies**, how about **L0v3D@1s13s!** The first version would take about two-hour hours to crack. The second version raises that time to 34 years. Pretty incredible!!

Time It Takes a Hacker to Brute Force Your Password in 2022

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	Instantly	Instantly
7	Instantly	Instantly	2 secs	7 secs	31 secs
8	Instantly	Instantly	2 mins	7 mins	39 mins
9	Instantly	10 secs	1 hour	7 hours	2 days
10	Instantly	4 mins	3 days	3 weeks	5 months
11	Instantly	2 hours	5 months	3 years	34 years
12	2 secs	2 days	24 years	200 years	3k years
13	19 secs	2 months	1k years	12k years	202k years
14	3 mins	4 years	64k years	750k years	16m years
15	32 mins	100 years	3m years	46m years	1bn years
16	5 hours	3k years	173m years	3bn years	92bn years
17	2 days	69k years	9bn years	179bn years	7tn years
18	3 weeks	2m years	467bn years	11tn years	438tn years

(chart courtesy of hivesystems.io)

How Should I Manage My Passwords?

1. **A Password Book** – Password books or lists are a great way to keep track of your passwords! Just make sure you keep it in a secure place, and that you update it every time you make a change.
2. **Password Management Software** - There are tons of great options for managing your passwords online, like LastPass, Dashlane, or even using the built in password keeper in most web browsers.

Should I Be Using 2-Factor Authentication (2FA for short)?

YES! 2FA can best be described as having a front door with two locks. 2FA requires something you know (your password) and something you possess (cellphone or email for a code, a face or fingerprint scan, etc.) So if a website tries to get you to setup two-factor authentication, I highly recommend you do it, as it can keep out a hacker who may have gained access to your password!

Have questions? Drop us an email at quietech@gmail.com!