

Password Managers

by Sean Luster

Why use a password manager?

Pros:

- Fewer lost passwords
- Encourages more secure passwords
- Less memorization
- Browser based password managers are limited
 - NOTE: Apple Keychain works well in Apple only environment
- Additional features

Cons:

- Cost
- Security concerns
- Additional apps/add-ons running on devices

Popular Products

- 1Password
 - Offers considerable extras above and beyond password management
 - Alerts when passwords are weak or have been found online
 - Provides travel mode allowing you to temporarily remove all private information from device
 - Works as an authentication app when required for two factor products
 - \$3/month
- Proton Pass
 - Rated best free service
 - Provides Email masking tools
 - Can connect with other Proton products (VPN)
 - Rated best for privacy
 - Support for biometric products
- Dashlane
 - Notably high security ratings

Alternative Solutions

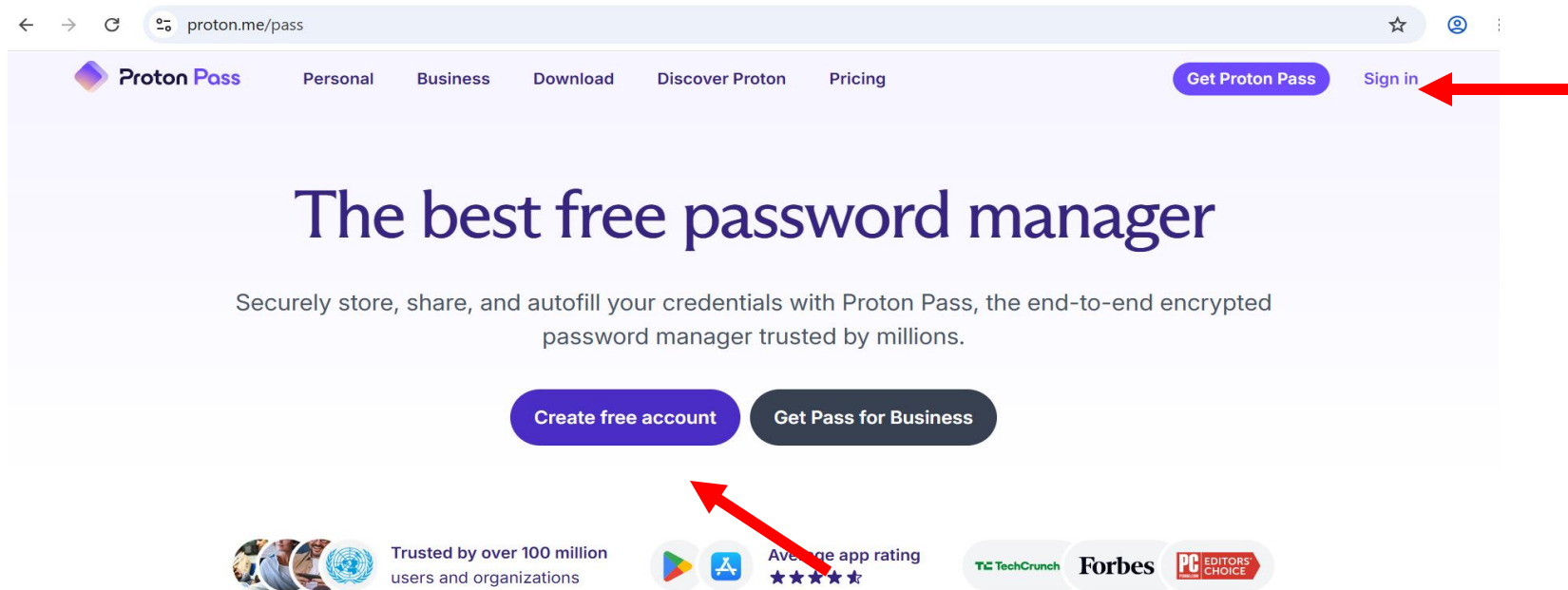
- Options
 - Cloud Storage
 - E.g. Notes file on iCloud or document/sheet on Google Docs
 - Locally stored file
 - Document or note on computer or mobile device
 - Physical storage
- Concerns
 - Security
 - Accessibility

2FA – Two Factor Authentication

- Changing security standards encourage authenticator apps or passkeys
- Passkeys can NOT be transferred from one password manager to another
- Downloaded recovery files should be stored safely and securely
 - Your 2FA is only as secure as the least secure recovery option!

Use: Proton Pass

- Select Create a free account
- Can be used on mobile or computers but in this example I install is on Chrome



Save your recovery phrase

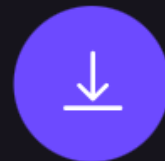
Your **recovery phrase** lets you restore your Proton Account if you're locked out.

It's the only way to recover everything—store it safely.



Download PDF

proton-recovery-phrase.pdf
475.54 KB



Or [copy recovery phrase](#) as text.

Free

US\$0

Free forever

Continue to Proton Pass

- ✓ Secure password generator
- ✓ 10 hide-my-email aliases
- ✓ Unlimited logins and devices

Pass Plus

US\$2.99

per month, billed annually

Get Pass Plus

Get everything in Free, plus:

- ✓ Unlimited hide-my-email aliases
- ✓ Built-in 2FA authenticator
- ✓ Vault, item & secure link sharing
- ✓ Dark Web Monitoring
- ✓ File attachments (up to 10GB)
- ✓ Command line interface (CLI)

Pass Family

US\$4.99

per month, billed annually

Get Pass Family

Online privacy for your whole family

- ✓ 6 Pass Plus accounts
- ✓ Admin panel for your family

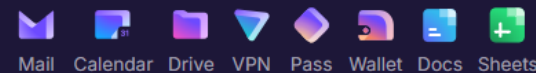
Recommended

Proton Unlimited ✓

US\$9.99

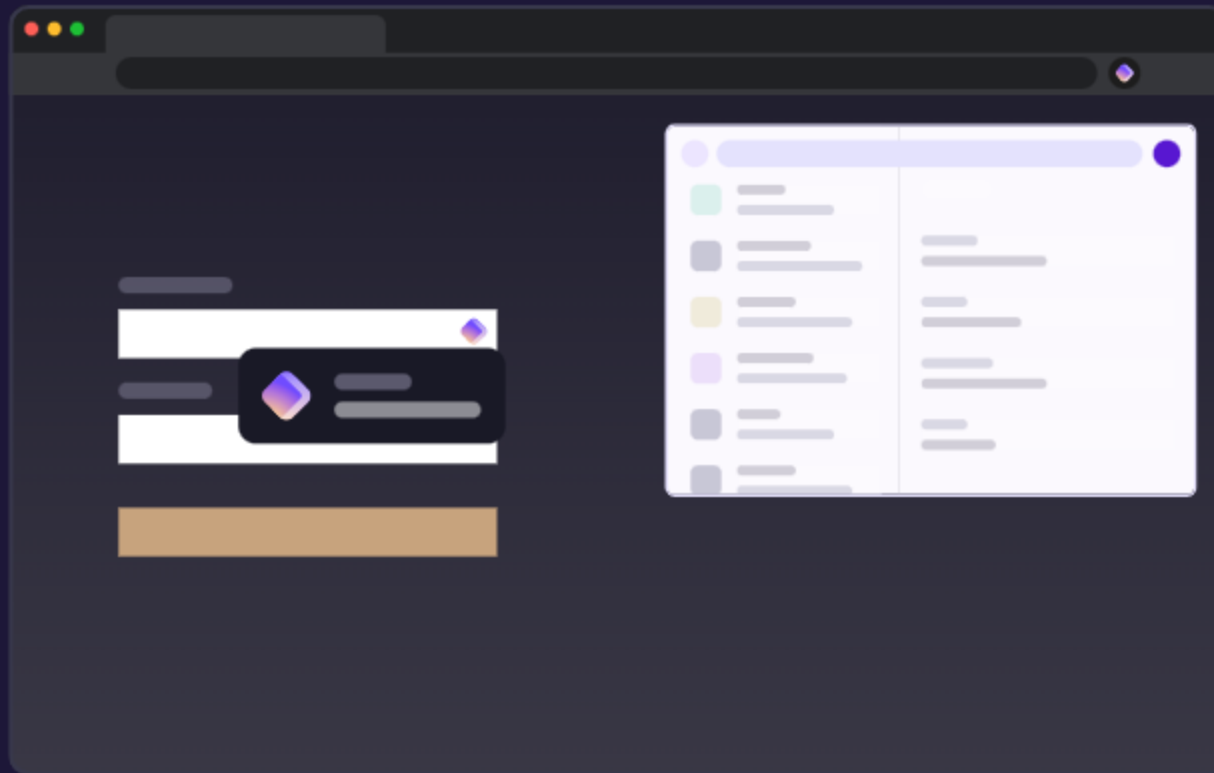
per month, billed annually

Get the full suite



The best of Proton with one subscription

- ✓ 500 GB Storage
- ✓ 15 extra email addresses
- ✓ 10 VPN devices
- ✓ Highest VPN speed



Secure your passwords. Everywhere.

Get the extension for Chrome

Open Proton Pass in your browser



Welcome to your new password manager!

Step 2 of 2

Connect your Proton Account

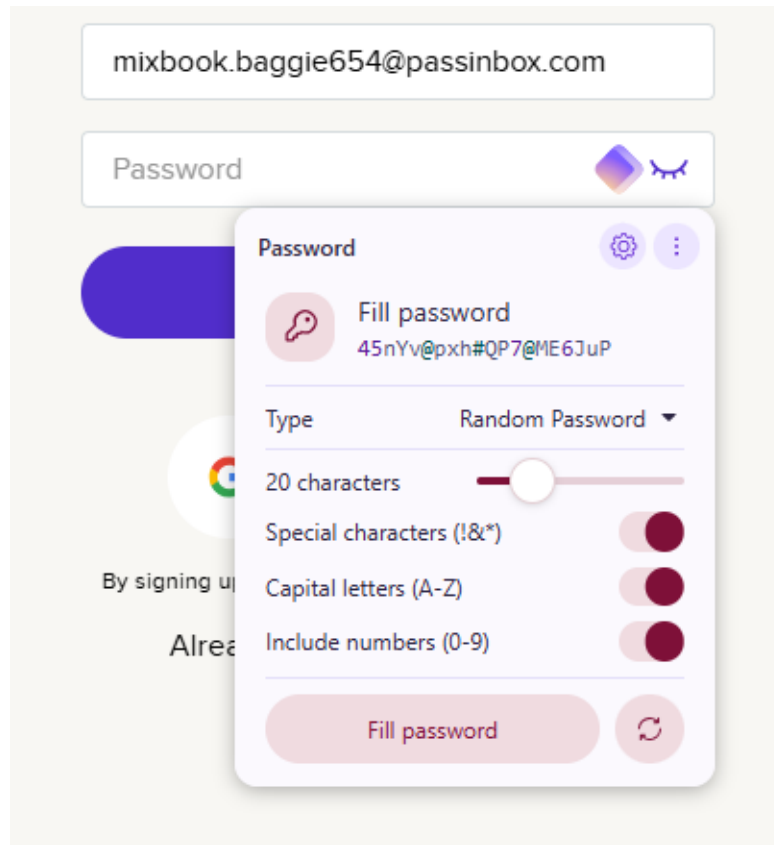
Sign in or create an account to continue.

Connect your Proton Account

Create a Proton Account

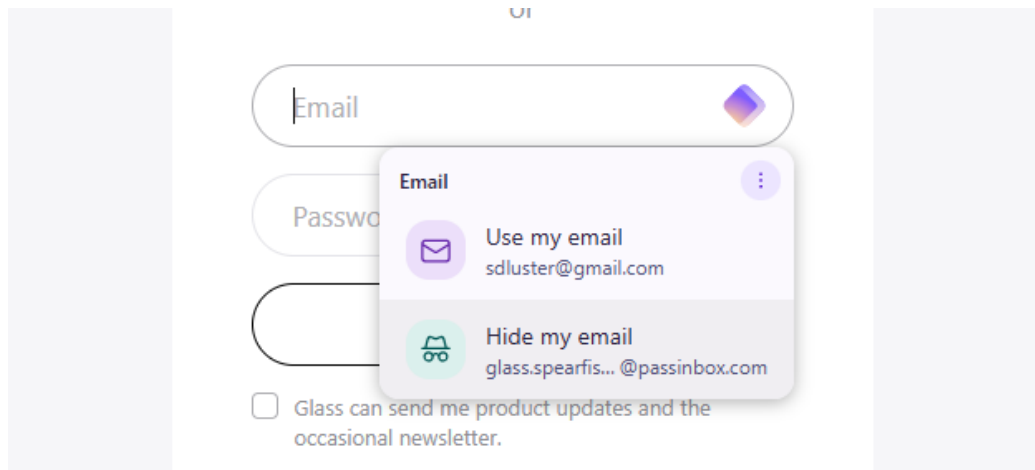


Generating Passwords



- Once the browser extension is installed Proton Pass will offer to fill in a password for you when creating new accounts. If you want to you can open the settings for this by clicking the gear button to change the length or rules for password creation
- This password and username will be stored in your account and will auto fill when needed in the future

Using Alias Email



- Once you have added the browser extension you will be offered the option of applying an alias email when creating a new account
- The advantage of alias emails is they can be disabled or deleted and the site in question will no longer be able to contact you
- While active all email sent to the alias account will be routed to your email registered with proton pass

Thanks!
