

## Using Password Managers (and why you should)

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**SUMMERSET**

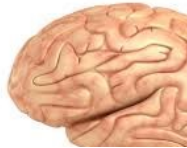
Computer  
Club



[WWW.SSCCB.wordpress.com](http://WWW.SSCCB.wordpress.com)

# Remembering Passwords

- Memory
- Paper
- Notepad/Wordpad
- OneNote/Evernote
- Password Manager





# Things to Consider

- Ease of Use (for you)
  - If it's not easy, you won't use it
  - Sharing with spouse, kids(?)
- Do you travel?
  - Do you need passwords when you're away from home?
- When you're gone
  - How do your heirs get to your important accounts?



# Platform support

- Windows
  - Application support - Lastpass
- MacOS
  - All managers support MacOS browsers
- iOS
  - Need iOS 12 for good support
- Android
  - Support on Android for apps is a bit clunky
  - Bitwarden has worked best for me.
- Linux
  - Basic browser support



# Common Features

- Store passwords, user names & URLs in cloud
- Various ways to login
- Groups/Folders to sort websites
- Import/Export to various formats
- Password Generator
- 2FA authentication (sometimes needs \$\$\$)
- Some kind of Password Analysis

# A Digression – 2FA

- Two Factor Authentication – use it for important (i.e. money) accounts
- Something you have + something you know
- Keep them separate from each other
- Typically “Authy” or “Google Authenticator” app (TOTP = Time-based One Time Password) or hardware key like Yubikey

# The Major Players



**Bitwarden**



**LastPass**



**Dashlane**



**1Password**



**Keepass**



**Roboform**

The image shows the Bitwarden logo, which consists of a stylized white 'B' on a blue background. To the right of the logo, the word 'Bitwarden' is written in a bold, black, sans-serif font. The background of the entire slide is a blue sky with white clouds.

# Bitwarden

- Free
  - \$10/year for extras
- Open Source/peer reviewed
- TOTP support
- Notes
- 2FA



# 1Password

- \$36 or \$60/year
- Aggressive 30 day trial (take your CC # up front)
- “Emergency access” based on secondary password
- payment cards, notes, identities
- TOTP support

The image features a horizontal banner at the top. On the left, there is a red vertical bar with three white circles stacked vertically. To the right of this bar, the word "LastPass" is written in a large, bold, black sans-serif font. The background of the banner is a blue sky with scattered white clouds.

# LastPass

- Free or \$36 or \$48/year
- Emergency Access (time-based)
- Store Digital Records
- Addresses, Notes, payment cards, bank accounts



# Dashlane

- Free or \$60 or \$120/year
- Password analysis
- Dark web monitoring
- Secure VPN
- Notes, Identities, Receipts, Payment Accounts
- Emergency Access (Time-based)



**Demo**