

WINDOWS SECURITY UPDATES - 1



Les Klein

AGENDA

- Windows Updates
- Disk Encryption
- Password Managers



WINDOWS UPDATES

And "Patch Tuesday"

Windows Updates

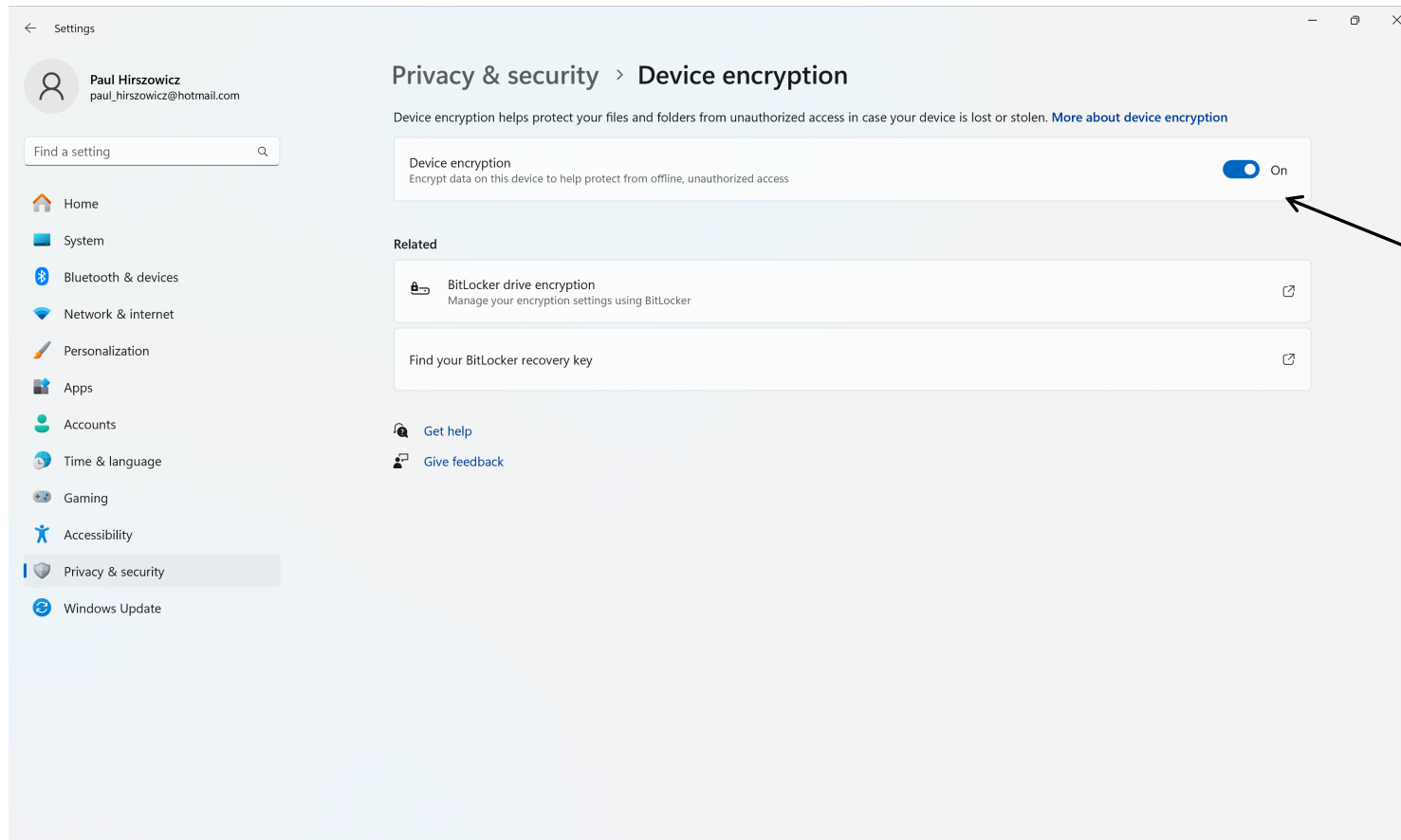
- Microsoft patches Windows every month
 - Releases updates on the 2nd Tuesday of the month (USA time)
 - **You should check for updates on the 2nd Wednesday morning of each month and install all the mandatory updates**
- Microsoft provides its own Anti-virus software called Windows Defender
 - If you have this enabled then you will automatically get the updates for it (these are much more frequent than once/month)



DISK ENCRRRPYTION

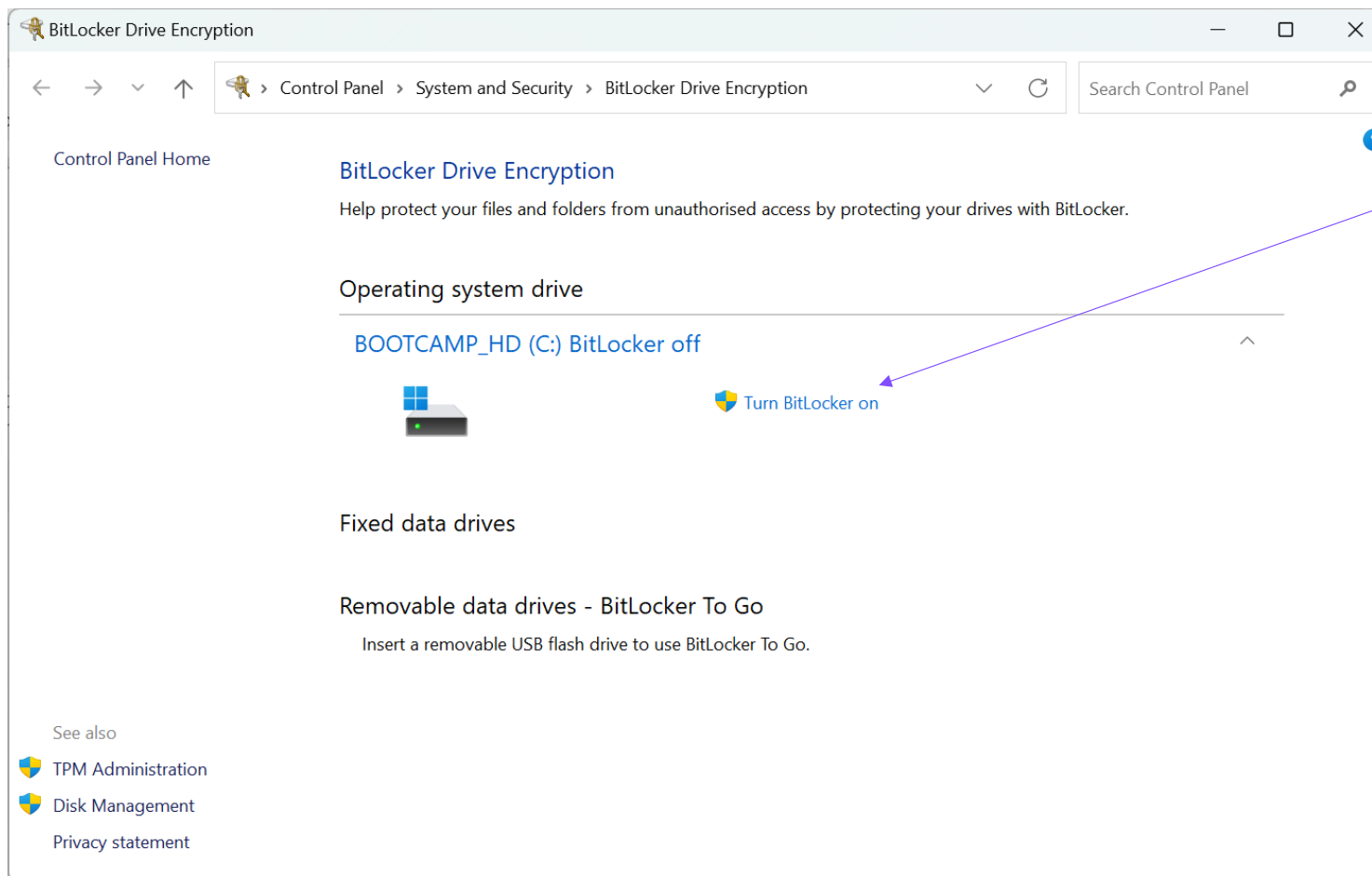


Hard disk encryption (Home)

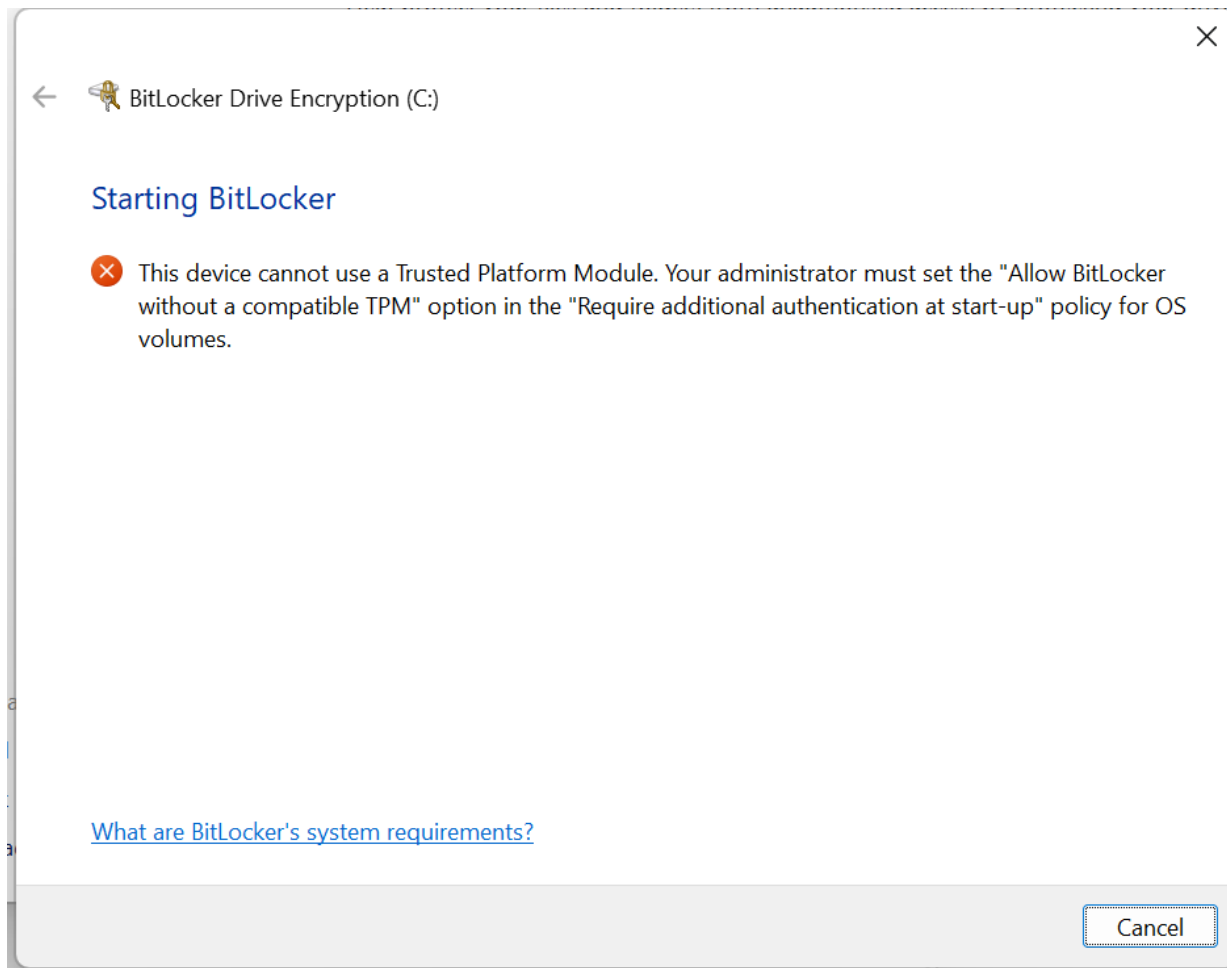


The screenshot shows the Windows Settings application. The left sidebar contains the following categories: Home, System, Bluetooth & devices, Network & internet, Personalization, Apps, Accounts, Time & language, Gaming, Accessibility, Privacy & security (highlighted), and Windows Update. The main content area is titled "Privacy & security > Device encryption". Below the title, there is a description: "Device encryption helps protect your files and folders from unauthorized access in case your device is lost or stolen. [More about device encryption](#)". A toggle switch for "Device encryption" is shown in the "On" position. Below this, there is a "Related" section with two items: "BitLocker drive encryption" (with a link icon) and "Find your BitLocker recovery key" (with a link icon). At the bottom of the main content area, there are two links: "Get help" and "Give feedback". A black arrow points from the right side of the image to the "Device encryption" toggle switch.

Hard disk encryption (Pro)



Hard disk encryption (cont'd)



Hard disk encryption (cont'd)

- [How to Use BitLocker Without a Trusted Platform Module \(TPM\)](#)

PASSWORDS



Passwords

- How do you remember your passwords?
 - Remember them
 - Can anyone here do that for more than, say, 10 sites?
 - Write them down
 - How “secure” is that?
 - How do you find them when you need them?
 - Save in your browser
 - What if you have more than one browser?
 - How do you log in to your Email app (if not in a browser)?
 - Use a password manager
 - There are many!
 - Some included with AV products
 - Some are free

Passwords (cont'd)

- Just because you pay for a password manager is not a **guarantee** your passwords are “safe”
 - LastPass got hacked in 2023
 - <https://krebsonsecurity.com/2023/09/experts-fear-crooks-are-cracking-keys-stolen-in-lastpass-breach/>
- There are good free password managers that are open source
 - That means they have been scanned for any weaknesses and corrected
 - They continue to be scanned prior to any release

Passwords (cont'd)

- Password managers use very good encryption
 - Difficult to crack (time & resources needed)
- Mostly they can safely store more than just passwords
 - Credit card info
 - Private notes
 - Etc
- They can sync this information across all your devices that use the same password manager
 - You don't need to do anything except turn sync on

Passwords (cont'd)

- [9 Best Password Managers \(2024\): Features, Pricing, and Tips | WIRED](#)
- Les uses BitWarden (so did Gary)
 - No limit on number of devices that can be sync'd
 - I have also used KeePass and LastPass (free version)
 - LastPass was good but they put a limit on the number of devices you could sync to for the free version
 - KeePass was good but you have to manually "sync" by moving the vault to all your devices every time it is updated
 - or use something like Dropbox but then you may as well use BitWarden

Passwords (cont'd)

- [Free Personal Password & Passkey Manager Online | Bitwarden | Bitwarden](#)
- It is in Microsoft App store
 - Windows App for use outside of a browser
- It is in the Google Chrome web store
 - works in Edge as well
- Has plugins for many browsers

Passwords (cont'd)

- Bitwarden demo..

PRESENTATION TITLE

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THE END