

# Backing up your data

Your data's Insurance policy



# Risks

- ▶ Computer hardware failure
- ▶ Accidental deletion of data
- ▶ Virus, Malware, Cryptoware
- ▶ Loss of hardware - fire /theft
- ▶ Data Corruption
- ▶ Physical Damage
- ▶ Aliens!

# What is backup?

**Data Backup** - Copy your documents, photos, music, videos and settings to another location. In the event of a loss of your original data you can restore files from your backup

**System Backup** - Takes a snapshot of your entire computer's Storage Device. In the event of a failure of the storage device you can recover your whole system.

# Cloud vs Local Backups



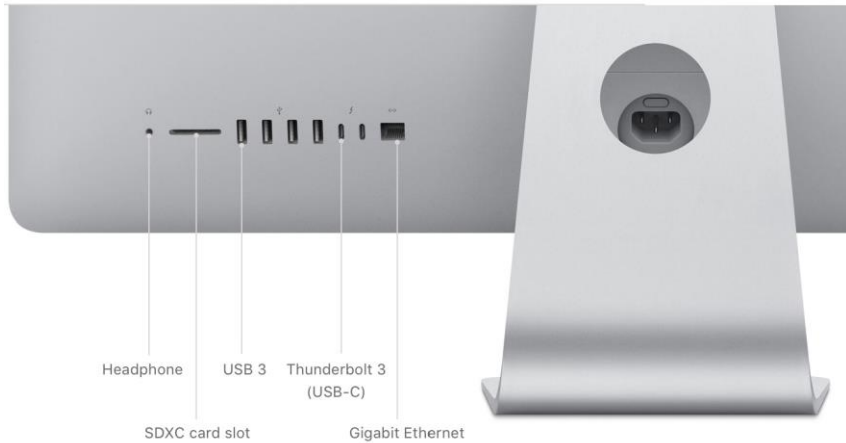
- Requires External Storage Device
- Includes Multiple Versions of your files
- Runs Automatically - set and forget
- Runs Seamlessly - no media swapping



- Seamless Backup
- May not support Multiple Versions of your files
- Runs Automatically - set and forget
- Runs Seamlessly - no media swapping
- iCloud, OneDrive, Google Drive DropBox

# Local Backups

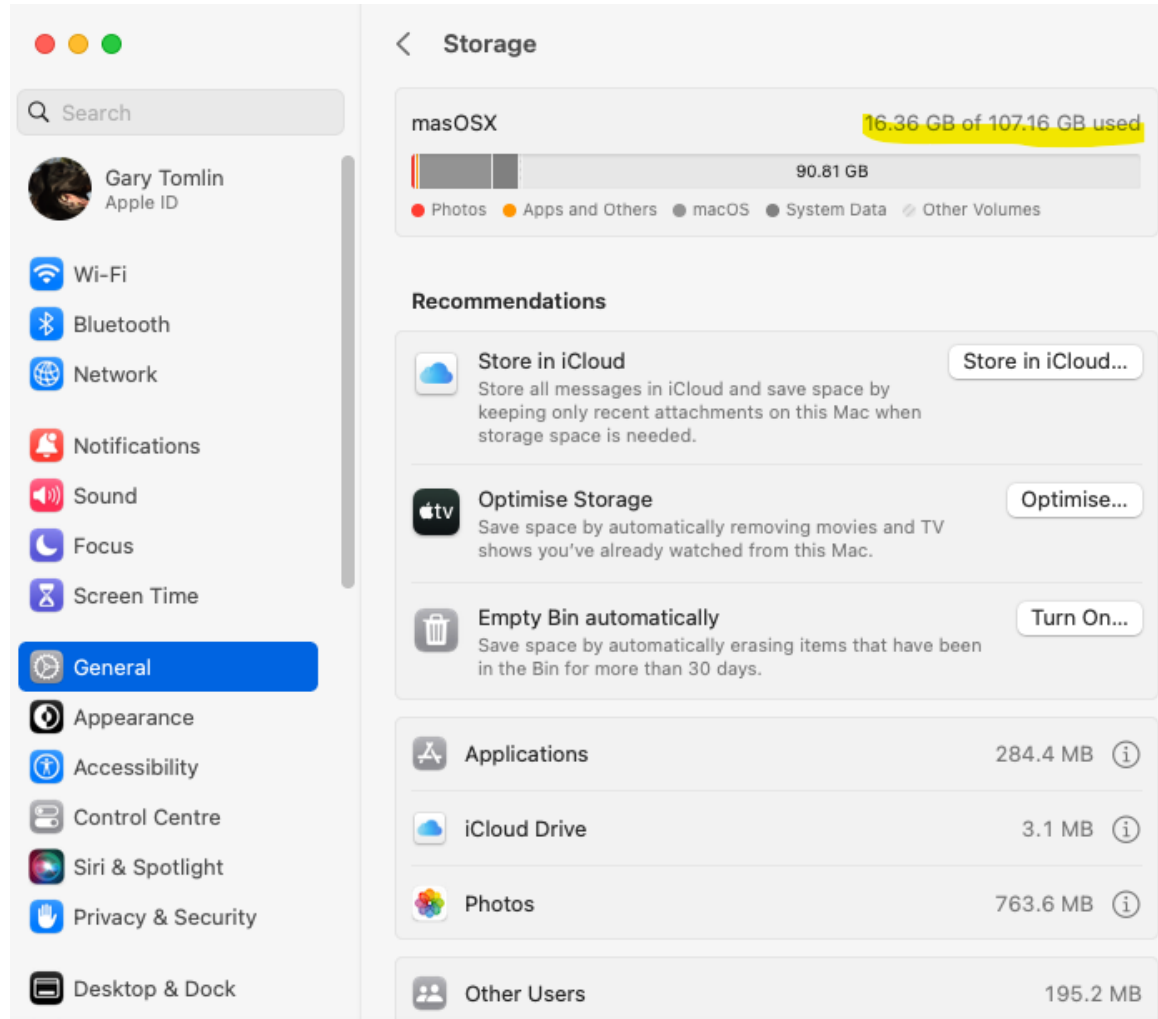
- ▶ Requires an extra local storage device
  - ▶ External USB Hard Disk



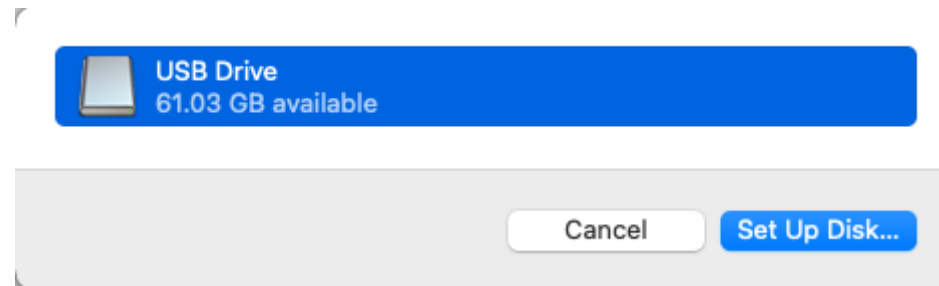
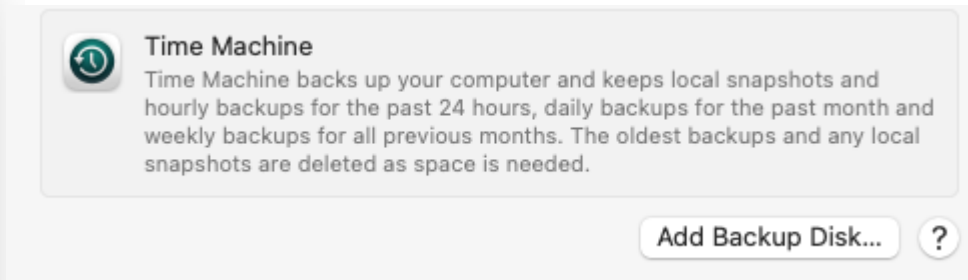
# What Size External Storage Device do I need?

- ▶ You need to identify how big of an external device you need.

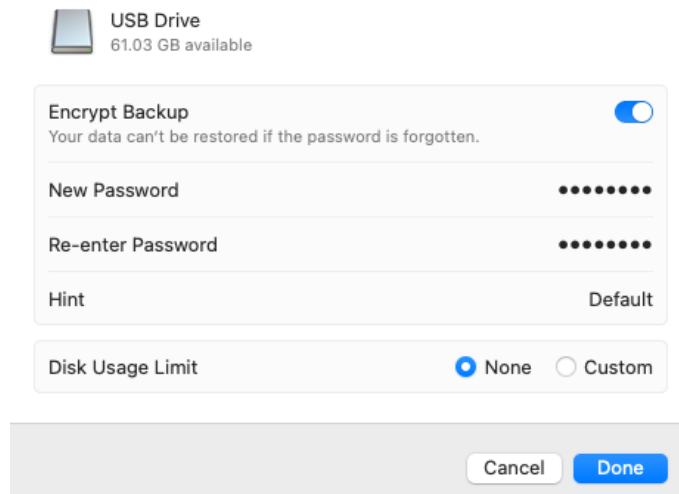
Navigate to **System Settings, General** and then **Storage**



- ▶ macOS X includes “Time Machine” application to backup your data to another drive
  - ▶ Click the search icon and type “Time Machine” and follow the prompts.



- ▶ macOS X includes “Time Machine” application to backup your data to another drive



USB Drive  
61.03 GB available

Encrypt Backup   
Your data can't be restored if the password is forgotten.

New Password

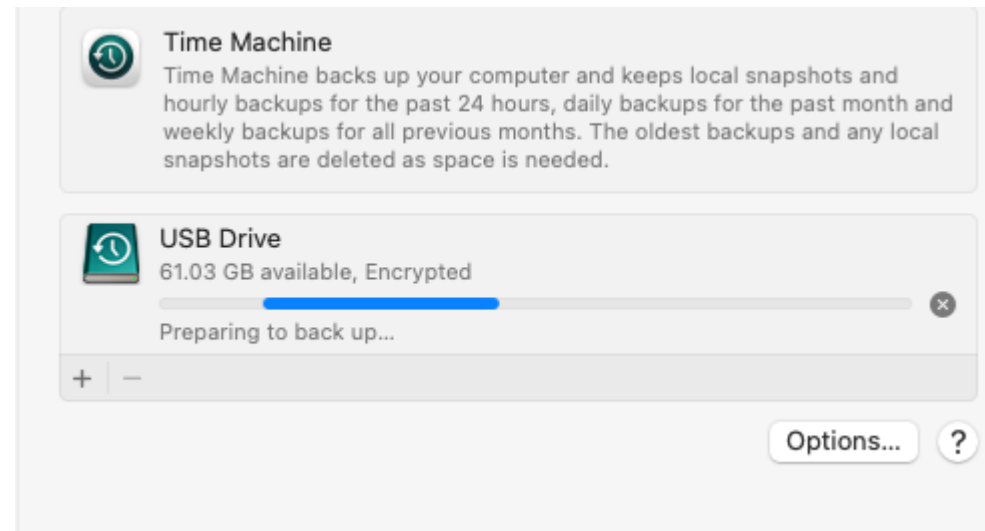
Re-enter Password

Hint  Default

Disk Usage Limit  None  Custom

Cancel Done

You are now  
backing up  
your mac!



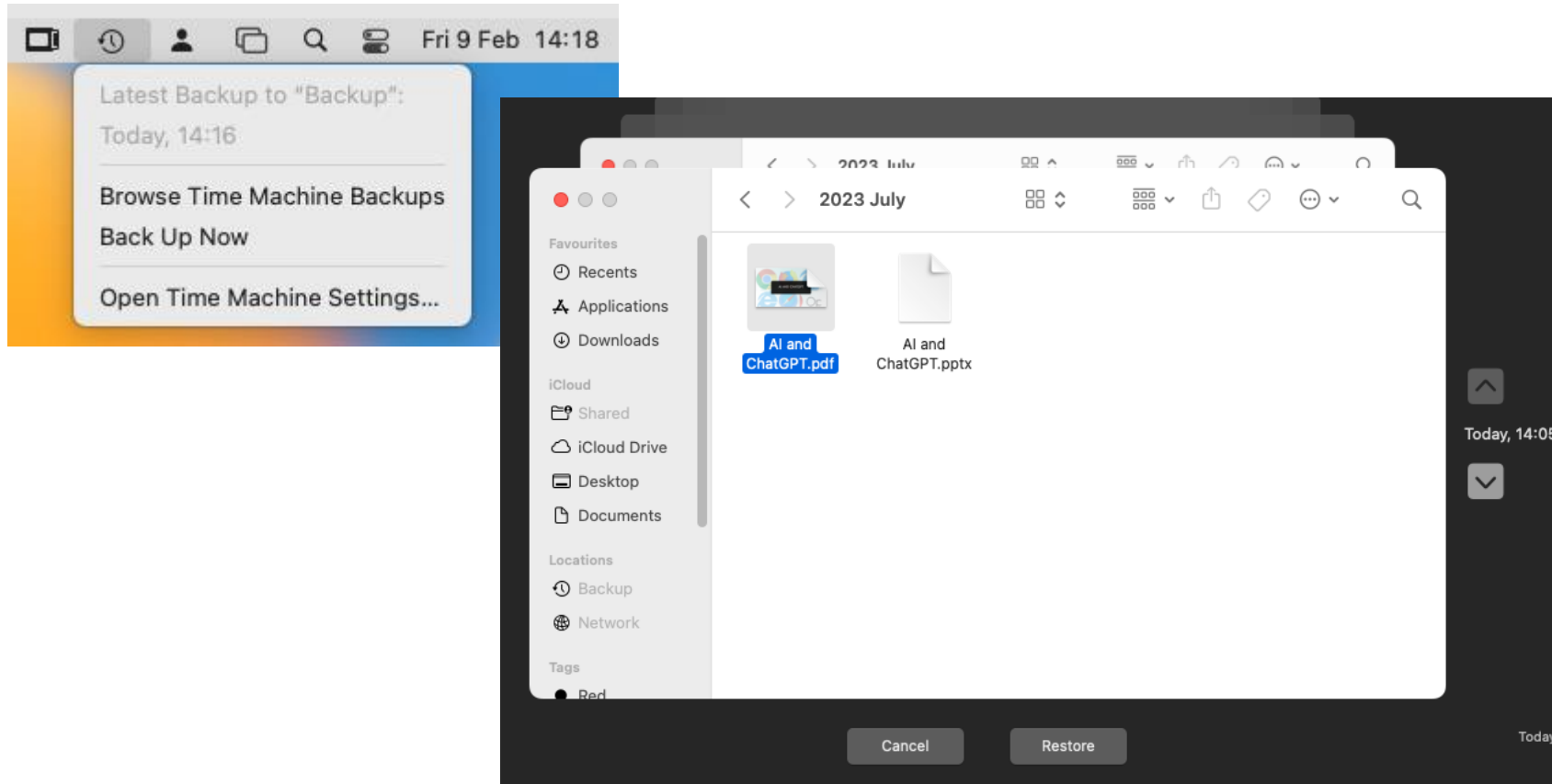
**Time Machine**  
Time Machine backs up your computer and keeps local snapshots and hourly backups for the past 24 hours, daily backups for the past month and weekly backups for all previous months. The oldest backups and any local snapshots are deleted as space is needed.

**USB Drive**  
61.03 GB available, Encrypted  
Preparing to back up...

Options... ?



# How to Recover a file/folder

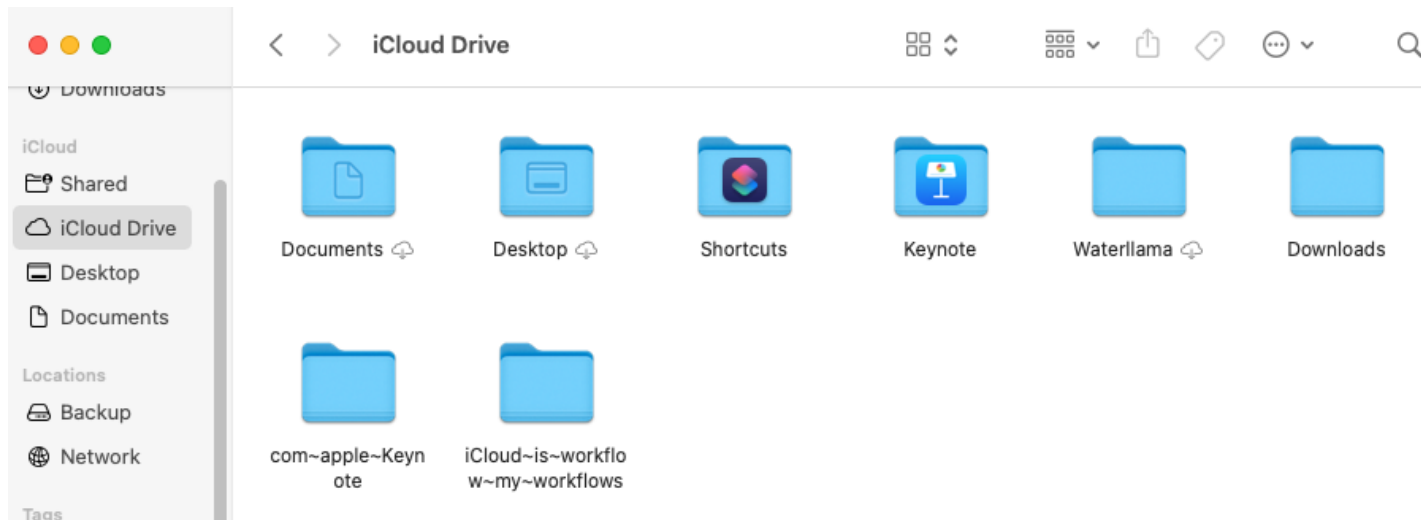


# iCloud Backups

- ▶ Backup your data directly to iCloud
- ▶ iCloud+ pricing
  - ▶ 5 GB: Free
  - ▶ 50 GB: £0.99
  - ▶ 200 GB: £2.99
  - ▶ 2 TB: £8.99
  - ▶ 6 TB: £26.99
  - ▶ 12 TB: £54.99

# iCloud+

- ▶ All files stored under the iCloud Drive folder are automatically saved to the cloud.
- ▶ OneDrive supports file versions.



- ▶ Seamless integration with macOS x

# iCloud+

- ▶ Supports iPhone and iPad
- ▶ View / Edit your pictures/documents when away from your computer

