



Henfield Computer Club

All you ever wanted to know about backing up your
Computing Device

or

How to give yourself the best chance of recovering your
data in the event of a disaster!

Richard Lelliott



What we'll cover:

- What are backups and Why are they important?
- What are these disasters we're trying to avoid?
- Where to back up to, and where to store?
- How to back up?
- How often?



First things first.....

- This is going to seem complicated – DON'T PANIC!
- I'm aiming to cover all types of devices our members have
- You will only have a subset of these, so hang on in
- After you've had a chance to think about your specific needs come and discuss with a Mentor!

What and Why?

- A backup is simply a stored copy of your important data (files, contacts, photographs, documents...), taken regularly from your device(s)
- It needs to be stored somewhere safe and separate from your devices (we'll see why soon)

So that...

- If your original device is damaged or lost your backups of your original files can be restored to your new or repaired device.
- If you have accidentally deleted something important then this, too, can be restored from a recent backup



What are these “disasters” we’re trying to avoid?

THE FIVE “Fs”

FIRE

FLOOD

FAILURE

FEFT

Cock-ups!

Where to back up to... LOCAL STORAGE

Local devices

	<u>Advantage</u>	<u>Disadvantage</u>
USB drive/SD card	Easily hidden Easily transported	Easily lost! Expensive above 512 GB Less reliable?
External Hard Drive (Traditional or SSD)	Robust, reliable	
NAS (local network storage)	Always available	Complex setup
Your other devices	Always available	Has to have more storage than the device you're backing up

Where to back up to... CLOUD

Cloud Storage

Advantage

Disadvantage

Good protection from the 5 fs

Continuing payment –
problems if you stop

Google

Available worldwide
Legacy protection good

Only 15GB free

Apple (i-cloud)

Available worldwide
Legacy protection good

Only 5GB free

Microsoft (OneDrive)

Available worldwide
Legacy difficult

Only 5GB free
365 users 1TB!

Many others available, but all charge, and have different
rules over legacy access



Where to Store you backup device(s)?

Examples are legion,

- Under the Stairs
- Sock Drawer
- Garage
- Loft
- Neighbour/relative's property
- Etc. Etc.

.....perhaps in a waterproof & fireproof box!!!

but...

NOWHERE NEAR THE DEVICES YOU'RE BACKING UP!

How to back up...Apple

Apple Mac

Time Machine set up to an external drive and plug it in when reminded, or **NAS** ...and/or **iCloud**

iPad/iPhone

iCloud and/or

Plug in to iMac/Macbook and open a Finder window, click on your device name and follow the instructions



How to back up...Android (phone or Tablet)

Most straightforward is using Google's Cloud – look for 'Backup' in settings, and turn on the elements you want backed up. Google only gives 15GB free storage, but raising to 100GB is £16 per year.

Many more options including Phone manufacturer's own software, if you have Samsung, Huawei, Xiaomi... Sony?

How to back up... Windows

Sadly Windows built-in backup has reduced now, to forcing use of the Microsoft Cloud (OneDrive) for Windows backup – although there is a much older backup hidden away.... but for how long?

Many good programs (apps) available to automate your backups to an external device, such as Acronis and Paragon, although finding free options is becoming difficult.

Some that were free are moving to a charging model, but for example 'Fbackup' and Easus still appear to offer free options for single home users.

How to back up...

When you've had time to consider....

We'll be holding mini-workshops if there is enough interest for each 'family' of devices – e.g. Apple, Android, Windows

Alternatively come and talk to a Mentor with experience for your devices....

Discuss setting up backups on each of your devices in turn....

Also discuss how often – probably overnight for phones and tablets if using cloud, weekly for laptops/desktops???



Once set up - test it regularly

Check it's still happening, if you've automated it....

Check the backup copy to look at a few recent files to reassure yourself it's all there.



What we've covered:

- What are backups and Why are they important?
- What are these disasters we're trying to avoid?
- Where to back up to, and where to store?
- How to back up?
- How often?
- Test it
- Phew!