Incremental Backup Conversion

Turning a lot of compressed files each one compressed of every file. Decompressing those files and then comparing those to the last one. It then writes a base case and then all the changes for the files after that keeping the original ones. Then from there it compresses those into the same but keeps on the differences. Optimization could be to change so that one extra line is added oppose to writing a whole new file.

Where is file metadata stored?

Layout More

Find the Zip files = Backup files that are determined for comparing

Narrow them down and assemble a 2d matrix.

Have different versions First is main then 1 , 2, 3, …..

Create temp folder holding the extracted

Find the differences and put in the folders

Compare them and first size then filetype

Write the files with the format of changes

Text file to say what are the changes

1. Main Path
2. Following are these types
   1. Action
      1. E – Exact same (No change)
      2. D – Deleted
      3. R – Renamed (Moved)
      4. A – Added bits
      5. B – Subtracted bits
      6. C – Change (rewrite the file
   2. Main file name
   3. New file name
   4. Main file size
   5. New file size

Write all of this to the folder and some of these can be added to the update

Add compression

Bonus: add custom Compression.