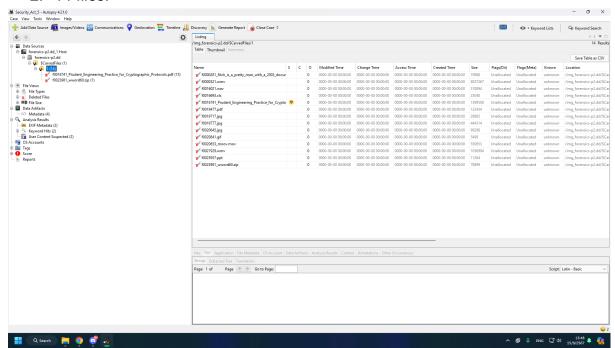
## Part 1

- 1. Although the metadata of each file is marked as deleted, Autopsy ignores the metadata and reads everything as long as the files have not been overwritten.
- 2. 14 files.



3.

File name	Status
f0000281_Nick_is_a_pretty_man_with_ a_2003_document.doc	Accessible (Deleted)
f0000321.wmv	Accessible (Deleted)
f0016021.wav	Accessible (Deleted)
f0016693.xls	Accessible (Deleted)
f0016741_Prudent_Engineering_Practic e_for_Cryptographic_Protocols.pdf	Accessible (Deleted)
f0019477.pdf	Accessible (Deleted)
f0019717.jpg	Accessible (Deleted)
f0019777.jpg	Accessible (Deleted)
f0020645.jpg	Accessible (Deleted)
f0020841.gif	Accessible (Deleted)
f0020853_moov.mov	Accessible (Deleted)
f0021929.wmv	Accessible (Deleted)
f0023957.ppt	Accessible (Deleted)
f0023981_wword60.zip	Accessible (Deleted)

- 4. I need to delete everything and write random data to a 1 TB hard disk. Assuming the disk speed is 160 MB/s, it will take around 100 minutes to fully write 1 TB. Since it is recommended to overwrite at least 3 times, this process will take approximately 5 hours.
- 5. Mostly no, since garbage collection will typically remove unused block content, and newly written files will randomly access these blocks. This is because each SSD block can only be overwritten a few times before it becomes unusable.

## Part 2

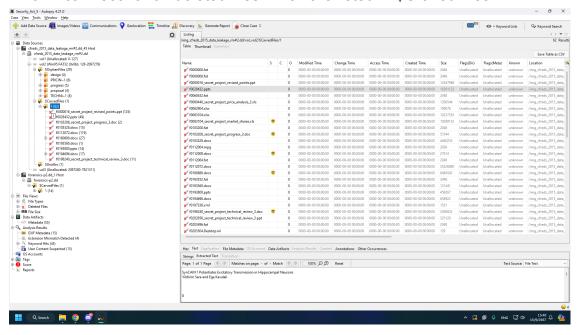
1. design, PRICIN~1, progress, proposal, TECHNI~1

## 2. All accessed files:

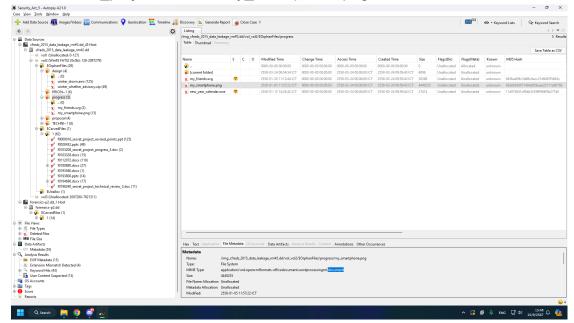
/\$OrphanFiles/amalfi.bmp	/\$OrphanFiles/wat.gif
/\$OrphanFiles/BAMBOO~1.GIF	/\$OrphanFiles/design
/\$OrphanFiles/barn.gif	/\$OrphanFiles/design/winter_storm.amr
/\$OrphanFiles/blini.gif	/\$OrphanFiles/design/winter_whether_a dvisory.zip
/\$OrphanFiles/boudicca.bmp	/\$OrphanFiles/PRICIN~1
/\$OrphanFiles/cactus.png	/\$OrphanFiles/PRICIN~1/my_favorite_c ars.db
/\$OrphanFiles/cave.png	/\$OrphanFiles/PRICIN~1/my_favorite_ movies.7z
/\$OrphanFiles/CUTTY-~1.JPG	/\$OrphanFiles/PRICIN~1/new_years_da y.jpg
/\$OrphanFiles/eggs.gif	/\$OrphanFiles/PRICIN~1/super_bowl.av
/\$OrphanFiles/FORSYT~1.PNG	/\$OrphanFiles/progress/my_friends.svg
/\$OrphanFiles/injera.gif	/\$OrphanFiles/progress/my_smartphon e.png
/\$OrphanFiles/JACK-O~1.TIF	/\$OrphanFiles/progress/new_year_cale ndar.one
/\$OrphanFiles/jump.jpg	/\$OrphanFiles/proposal/a_gift_from_you .gif
/\$OrphanFiles/leaf.jpg	/\$OrphanFiles/proposal/landscape.png
/\$OrphanFiles/oak-snow.jpg	/\$OrphanFiles/TECHNI~1/diary_#1d.txt
/\$OrphanFiles/orchid.png	/\$OrphanFiles/TECHNI~1/diary_#1p.txt
/\$OrphanFiles/PIAZZA~1.JPG	/\$OrphanFiles/TECHNI~1/diary_#2d.txt
/\$OrphanFiles/pisa.JPG	/\$OrphanFiles/TECHNI~1/diary_#2p.txt

/\$OrphanFiles/SPQR.JPG	/\$OrphanFiles/TECHNI~1/diary_#3d.txt
/\$OrphanFiles/STONEH~1.JPG	/\$OrphanFiles/TECHNI~1/diary_#3p.txt
/\$OrphanFiles/tapas.gif	/\$OrphanFiles/desktop.ini
/\$OrphanFiles/tomatoes.gif	

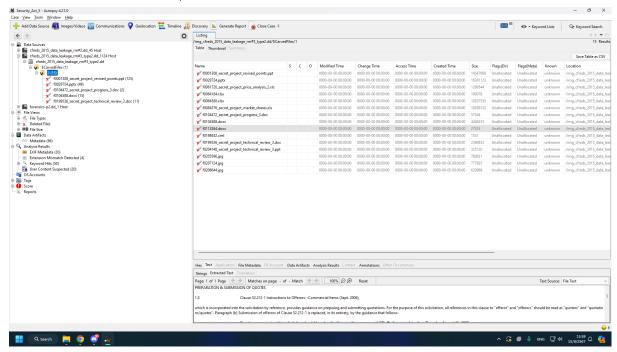
3. I can recover 62 deleted files which are listed in \$CravedFiles.



4. In \$OrphanFiles have files that edited their file extension name ex. secret\_project.docx >> my\_smartphone.png



5. These 15 files in \$CravedFiles:



6. Try to change files name from a critical name to some random name ex.

