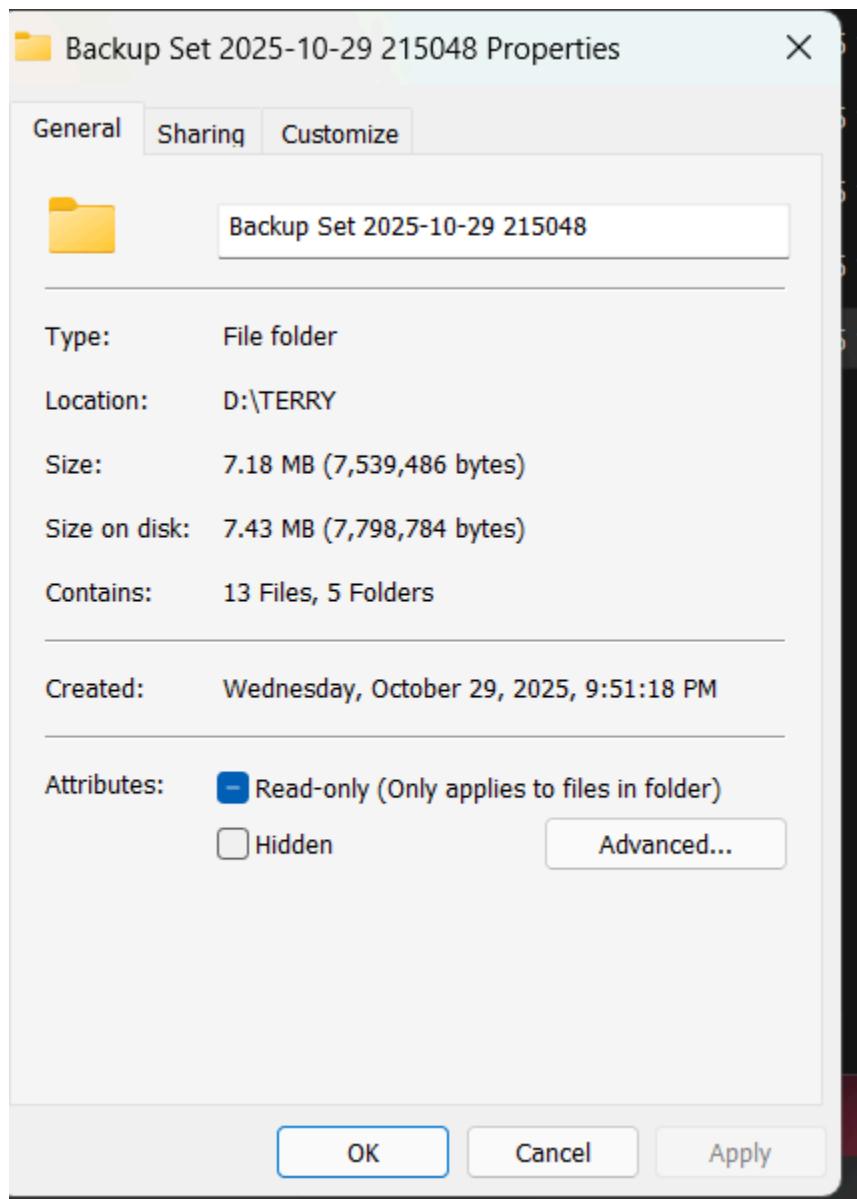


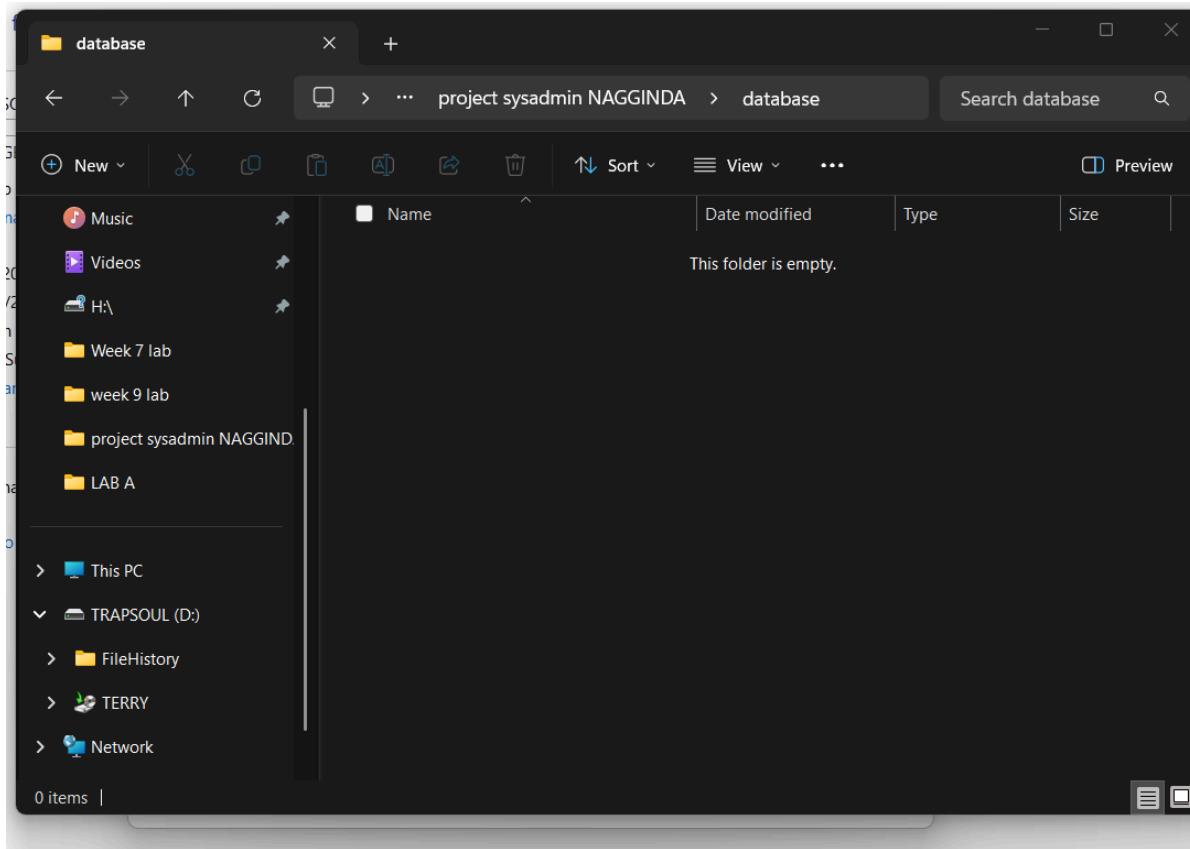
Took one second for the backup thing advanced settings windows



A screenshot of a Linux desktop environment, specifically Ubuntu, showing a terminal window. The terminal window is titled "terry@ubuntu:~". The command "touch /home/terry/projectsadminNAGGINDA/linux\_test.txt" was run, creating a file named "linux\_test.txt". Then, the command "rsync -av /home/terry/projectsadminNAGGINDA/ /home/terry/BACKUP" was run, which shows an incremental file list and ends with a speedup statistic. The desktop background is a dark purple color.

```
Oct 30 02:11
terry@ubuntu:~$ touch /home/terry/projectsadminNAGGINDA/linux_test.txt
terry@ubuntu:~$ rsync -av /home/terry/projectsadminNAGGINDA/ /home/terry/BACKUP
P/
sending incremental file list
./
linux_test.txt

sent 518 bytes received 41 bytes 1,118.00 bytes/sec
total size is 32,106,555 speedup is 57,435.70
terry@ubuntu:~$
```



#### Back up or restore your files

##### Backup

Location: TRAPSOUL (D:)

57.59 GB free of 57.60 GB

Backup size: 7.19 MB

[Manage space](#)

Next backup: 11/9/2025 7:00 PM

Last backup: 10/29/2025 9:05 PM

Contents: Files in libraries and personal folders for selected users

Schedule: Every Sunday at 7:00 PM

[Change settings](#)

##### Restore

You can restore your files that were backed up on the current location.

[Back up now](#)

[Restore all users' files](#)

[Select another backup to restore files from](#)

#### Restore Files

Browse or search your backup for files and folders to restore

All files will be restored to their latest version.

[Choose a different date](#)

<input type="checkbox"/>	Name	In Folder	Date modified
<input type="checkbox"/>	C:\Users\tkira\Desktop\	C:\Users\tkira\Desktop\	4/10/2023 12:04 ...
<input type="checkbox"/>	C:\Users\tkira\Desktop\	C:\Users\tkira\Desktop\	10/9/2025 8:11 P...

[Search...](#)

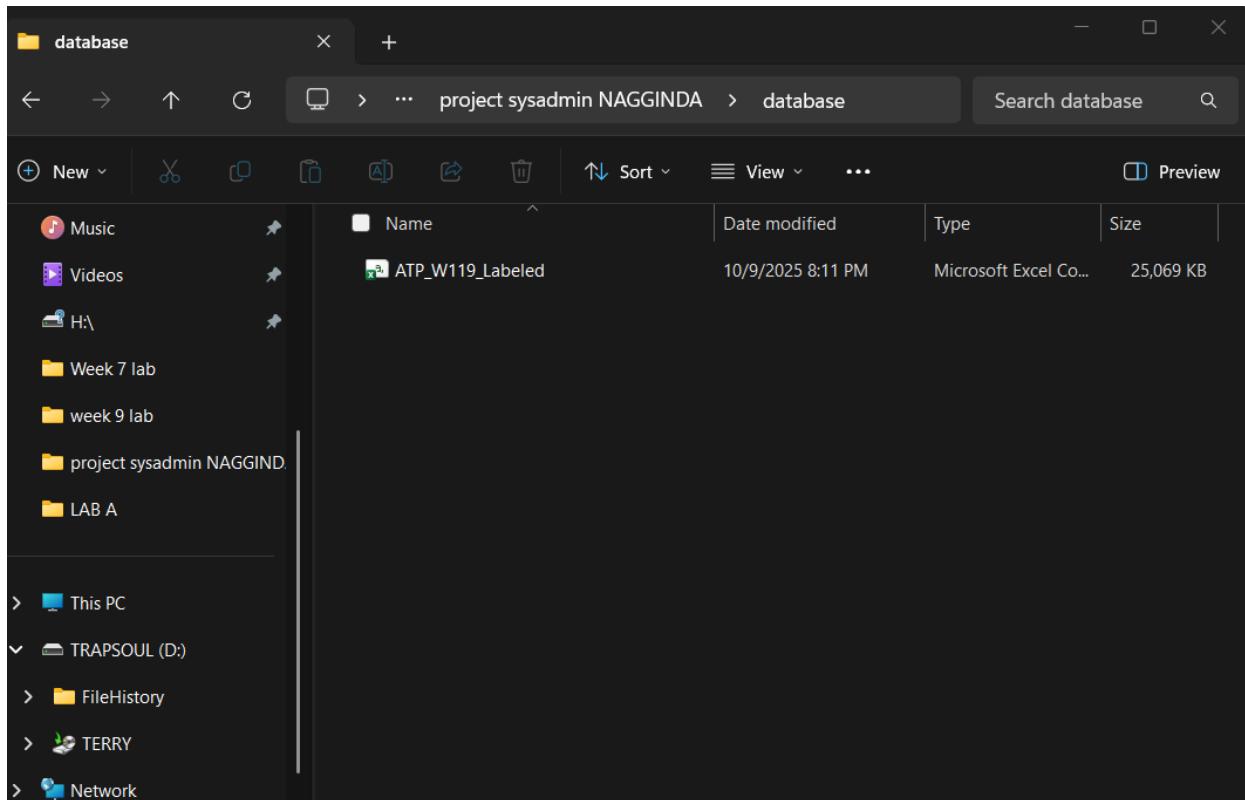
[Browse for files](#)

[Browse for folders](#)

[Remove](#)

[Remove all](#)

[Next](#) [Cancel](#)



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\tkira> Get-FileHash -Path "C:\Users\tkira\Documents\project sysadmin NAGGINA\Photos\*" -Algorithm SHA256
Algorithm      Hash                                         Path
----          ----                                         ---
SHA256        52CF390A08B5F1BD33BAFC5B65A8F024BB86C645611C8605F5A0127386EB2EE9  C:\Users\tkira\Documents\proj...
SHA256        FE4D8905C74CC02738FEE51FC0385CA71D5AA3D625DBE910D1F57BA52909C114 C:\Users\tkira\Documents\proj...

PS C:\Users\tkira> Get-FileHash -Path "C:\Users\tkira\Documents\project sysadmin NAGGINA\Database\ATP_W119_Labeled.csv"
-Algorithm SHA256
Algorithm      Hash                                         Path
----          ----                                         ---
SHA256        3597309A11CECA7EFA1759B4009CD10B20361DF2CFDBA2EBCD5A3B5DC3C6DCF4 C:\Users\tkira\Documents\proj...

PS C:\Users\tkira>
```

File	Edit	View	H1	☰
Algorithm	Hash			
-----	-----			
SHA256	3597309A11CECA7EFA1759B4009CD10B20361DF2CFDBA2EBCD5A3B5D...			
SHA256	FE434047D8DC98211DFFB50019C020B634215E0288051FE4C4BC743C...			
SHA256	ED0E56B25CF2926EDBE544039E8A7B45057D85A83C9C2552C474A2D5...			
SHA256	52CF390A08B5F1BD33BAFC5B65A8F024BB86C645611C8605F5A01273...			
SHA256	FE4D8905C74CC02738FEE51FC0385CA71D5AA3D625DBE910D1F57BA5...			

```
terry@ubuntu:~$ rm -rf /home/terry/projectsadminNAGGINDA/Photos
terry@ubuntu:~$ rm -rf /home/terry/projectsadminNAGGINDA/ATP_W199_Labeled.csv
terry@ubuntu:~$ rsync -av /home/terry/BACKUP/ /home/terry/projectsadminNAGGINDA/
sending incremental file list
./
Photos/
Photos/Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (4).png
Photos/Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (5).png

sent 3,718,388 bytes received 67 bytes 7,436,910.00 bytes/sec
total size is 32,106,555 speedup is 8.63
terry@ubuntu:~$ ^C
terry@ubuntu:~$ sha256sum /home/terry/projectsadminNAGGINDA/Photos/*
52cf390a08b5f1bd33bafc5b65a8f024bb86c645611c8605f5a0127386eb2ee9  /home/terry/pr
ojectsadminNAGGINDA/Photos/Blue and Yellow Modern Upcoming Events Instagram Po
st (Flyer) (4).png
fe4d8905c74cc02738fee51fc0385ca71d5aa3d625dbe910d1f57ba52909c114  /home/terry/pr
ojectsadminNAGGINDA/Photos/Blue and Yellow Modern Upcoming Events Instagram Po
st (Flyer) (5).png
```

Open + ground\_truth\_checksums.txt ~/projectsysadminNAGGINDA

```

3597309a11ceca7efa1759b4009cd10b20361df2cfdb2ebcd5a3b5dc3c6dcf4 .
/Database/ATP_W119_Labeled.csv
fe4d8905c74cc02738fee51fc0385ca71d5aa3d625dbe910d1f57ba52909c114 .
/Photos/Blue and Yellow Modern Upcoming Events Instagram Post
(Flyer) (5).png
52cf390a08b5f1bd33bafc5b65a8f024bb86c645611c8605f5a0127386eb2ee9 .
/Photos/Blue and Yellow Modern Upcoming Events Instagram Post
(Flyer) (4).png
fe434047d8dc98211dfffb50019c020b634215e0288051fe4c4bc743cb33c0a5a .
/Documents/large_text.txt
ed0e56b25cf2926edbe544039e8a7b45057d85a83c9c2552c474a2d5e6d172dc .
/Documents/Self & Partner Peer Feedback.docx
ca6d556b732fb3a8963654e2da9e59af2a1b900ac4fbe8071f07d9527c21ed1 .
/ground_truth_checksums.txt

```

HxD - [C:\Users\Kiran\Desktop\project\sysadmin\_NAGGINDA\photos\Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (4).png]

File Edit Search View Analysis Tools Window Help

16 Windows (ANSI) hex

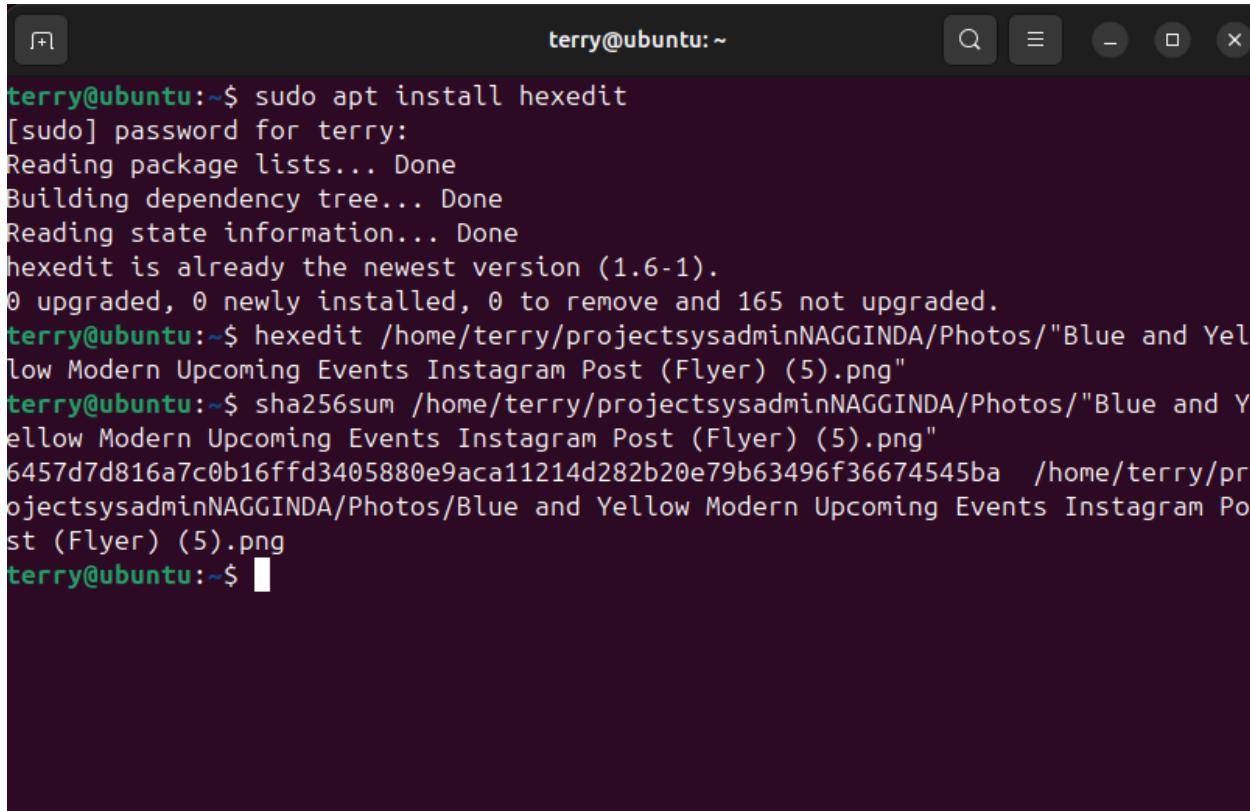
Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (4).png

Offset(h)	01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F	Decoded text
00000000	89 50 4E 47 0D 0A 1A 00 00 00 00 00 00 00 00	‰PNG.....IHDR
00000010	00 00 06 09 00 00 07 0D 08 06 00 00 00 F8 B2 BF	.....B....@i
00000020	3A 00 00 01 73 52 47 42 00 AE CE 1C E9 00 00	...sRGB@!é..
00000030	00 04 73 42 49 54 08 08 08 7C 08 64 88 00 00	.sBIT...!d..
00000040	00 09 70 48 59 73 00 00 1B FD 00 00 1B FD 01 97	.pHYs...y...y-
00000050	D1 07 36 00 00 04 9C 58 59 48 54 40 4C 3A 63	Ñ.6...mITXTXML:
00000060	6F 6D 26 61 64 6F 62 65 2E 78 6D 70 00 00 00	cm.adobe.xmp...
00000070	00 3C 3F 78 70 61 63 69 65 74 20 C2 65 67 69 69	.<xpacket begin
00000080	6F 27 EF BB BF 27 20 64 3D 27 35 4D 30 4D	=>id="W5HOM
00000090	69 39 64 27 3E 3B 3C 7C 78 6D 70 6D 69 64 69	pcd?">>.<xpacket
000000A0	69 39 64 27 3E 3B 3C 7C 78 6D 70 6D 69 64 69	69 39 64 27 3E 3B 3C 7C 78 6D 70 6D 69 64 69
000000B0	61 20 78 6D 6C 6E 73 3A 79 3D 27 61 64 6F 62 65	a xmlns:x="adobe
000000C0	3A 6E 73 3A 6D 6C 6E 73 61 27 3E 0A 3C 72 64 66	:nsimeta/".<rdf
000000D0	3A 52 44 46 20 78 6D 6C 6E 73 3A 72 64 66 3D 27	:RDF xmlns:rdf="
000000E0	68 74 74 70 3A 2F 2F 77 77 2E 77 33 2E 6F 72	http://www.w3.org/1999/02/22-rdf
000000F0	67 2F 31 39 39 2F 30 32 2F 32 32 2D 72 64 66	g/1999/02/22-rdf
00000100	2D 73 75 6E 74 61 78 20 6E 73 23 27 3B 0A 0A 20	-syntax-ns#">..
00000110	3D 72 64 66 3A 44 65 73 63 72 69 70 74 69 6F 69	<rdf:Description
00000120	20 72 64 66 3A 61 62 67 75 74 3D 27 27 0A 20 20	rdf:about="".
00000130	78 6D 66 3E 73 3A 41 74 74 72 69 62 3D 27 68 74	xmlns:Attrib="ht
00000140	74 70 3E 2F 68 73 28 61 74 74 72 69 62 75 74	tp://ns.attribut
00000150	69 6F 6E 3E 63 6F 6D 27 61 64 73 2F 31 2E 30 23	ion.com/ads/1.0/
00000160	27 3E 02 20 3C 72 60 00 00 00 00 00 00 04 73	'>.<Ap.....s
00000170	30 69 60 20 3C 72 60 00 00 00 00 00 00 00 00 23	>.<Ap.....s
00000180	60 20 20 3C 72 64 66 3A 6C 60 20 72 64 66 3D 20	.rdf:li><Ap.....s
00000190	61 72 73 65 54 79 70 65 3D 27 52 65 73 6F 75 72	arceType="Resour
000001A0	63 65 27 3E 02 20 20 30 20 3C 41 74 74 72 69	cce:<Ap.....s
000001B0	62 3A 43 72 65 61 74 65 64 3E 32 30 32 33 2D 30	b:Created=2023-0
000001C0	34 2D 31 30 3C 2F 41 74 74 72 69 62 3A 43 72 65	4-10</Attrib:Cre
000001D0	61 74 65 64 3E 0A 20 20 20 20 3C 41 74 74 72	ated>.<Attr
000001E0	69 62 3A 78 74 69 64 3E 65 34 39 3B 64 30 31	ib:ExtId=&gt;98d01
000001F0	62 2D 36 35 62 61 2D 34 37 38 31 2D 3B 64 63 37	b-&5ba-4781-8d7
00000200	2D 35 65 35 37 61 34 32 35 31 35 3B 3C 2F 41	-See57a425158</A
00000210	74 74 72 69 62 3A 45 78 74 49 64 3E 0A 20 20 21	ttrid:ExtId>
00000220	20 20 3C 11 74 74 72 69 62 3A 46 62 49 64 3E 35	<Attrib:FbId=5
00000230	32 35 32 36 35 39 31 34 31 37 39 35 38 30 3C 2F	25265914179580/>
00000240	41 74 74 72 69 62 3A 46 62 49 64 3E 0A 20 20 20	Attrib:FbId>.
00000250	20 20 3C 11 74 74 72 69 62 3A 54 6F 75 63 68 54	<Attrib:TouchT
00000260	79 70 65 3E 32 3C 2F 41 74 74 72 69 62 3A 54 6F	ype=2</Attrib:To
00000270	75 63 68 54 79 70 65 3E 0A 20 20 20 3C 2F 41 72	uchType>.
00000280	44 66 3A 6C 69 3E 0A 20 20 3C 2F 72 64 66 3A	df:lit>.</rdf:

Offset(h): 17E \* Modified \* Overwrite

## Corrupting files in Ubuntu

```
terry@ubuntu: ~
000006B0 92 F1 3F 04 3B BE 61 E7 FC 11 46 58 2B E8 D8 DD ..?.;.a...FX+...
000006C0 D4 B5 9B 49 D7 6C EE 9E DD A6 C5 CE 1D 22 1E C9 ...I.l....."...
000006D0 8E E3 EB 4F E1 AA 5F C2 26 3B 16 35 67 2D AD 3D ...0._.&;.5g-=
000006E0 01 FC 59 F2 A9 BF 27 64 EF 91 6E F9 9F B0 E9 95 ..Y...'d..n.....
000006F0 03 DB D9 FE 2E 64 27 F1 F5 27 40 5A 98 64 17 AE .....d'...'@Z.d..
00000700 F2 25 C0 E3 67 7E 85 9F F9 25 90 93 6C FE 57 D8 .%..g~...%.l.W.
00000710 C2 B5 03 DB 99 4F FF 08 E3 B6 E3 CA 77 2C 78 3D .....0.....w,x=
00000720 17 72 BD 7A 6D 9F 92 9D FF CF 18 B7 85 64 E2 8F .r.zm.....d..
00000730 C1 14 30 C6 CD 3A BE 5C F4 F1 B5 D7 96 BA 54 D1 ..0...\\.....T.
00000740 7E 76 92 BD 4B 76 F6 FF 01 3C D8 2A C9 D8 43 B8 ~v..Kv...<.*...C.
00000750 F2 6D 6B DB B8 55 42 7B 9D 36 FB 1D 6B BF BF 22 .mk..UB{.6..k.."'
00000760 82 F8 D3 48 76 02 5B BA 09 63 92 05 8E 17 20 4C ...Hv.[..c.... L
00000770 13 9A 2F 93 CF FC 0C C2 4C CF AF BD EF 8F 01 3C ..//.....L.....<
00000780 60 31 C9 15 48 7E 26 7E 36 98 64 27 AE FA 15 6C `1..H~&~6.d'...l
00000790 F1 3A FD 6C 2C BE F1 12 F9 D4 F7 20 4C E1 AA 0F ...l,..... L...
000007A0 90 8C 3D D8 69 A7 E4 A7 C9 26 FF 0A C9 8E A3 B6 ..=i....&.....
000007B0 B9 D0 B5 D5 85 B9 76 7C B7 0D 26 D9 45 BA F9 9F .....v|..&.E...
000007C0 63 DC 56 5D 83 20 2C D6 67 21 92 93 4F FD 80 D0 c.V]. ,.g!..0...
000007D0 78 9E 64 E2 0F 71 A5 5B 17 DC 67 84 11 36 2A B4 x.d..q.[...g..6*.
000007E0 0F 7E 9F 74 E2 9F 60 0A 57 5F D4 35 65 36 F9 77 .~.t..`W_5e6.w
000007F0 84 C6 B3 20 19 DD FE DC DB 47 43 CF DF ED FE BF .... ..GC.....
00000800 52 18 E4 07 18 F4 79 A8 4B 1E B0 98 F4 00 C9 C4 R.....y.K.....
00000810 00 00 00 00 00 00 00 00 00 00 00 31 6F BE FD 06 .....1o...
** Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (5).png
```



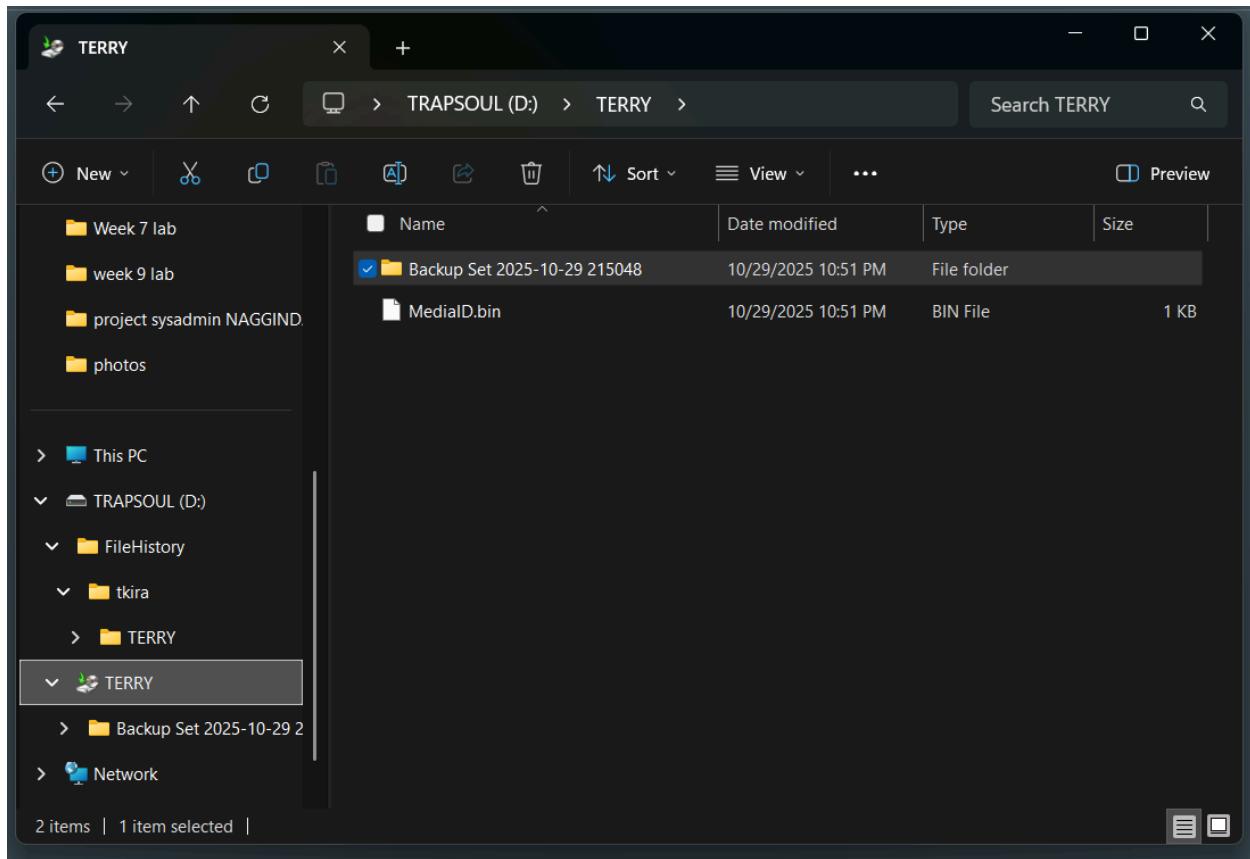
A screenshot of a terminal window titled "terry@ubuntu:~". The terminal shows the following command sequence:

```
terry@ubuntu:~$ sudo apt install hexedit
[sudo] password for terry:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
hexedit is already the newest version (1.6-1).
0 upgraded, 0 newly installed, 0 to remove and 165 not upgraded.
terry@ubuntu:~$ hexedit /home/terry/projectsadminNAGGINDA/Photos/"Blue and Yel
low Modern Upcoming Events Instagram Post (Flyer) (5).png"
terry@ubuntu:~$ sha256sum /home/terry/projectsadminNAGGINDA/Photos/"Blue and Y
ellow Modern Upcoming Events Instagram Post (Flyer) (5).png"
6457d7d816a7c0b16ffd3405880e9aca11214d282b20e79b63496f36674545ba /home/terry/pr
ojectsadminNAGGINDA/Photos/Blue and Yellow Modern Upcoming Events Instagram Po
st (Flyer) (5).png
terry@ubuntu:~$
```

On Linux, there were no file permission or system-level locks. The user (terry) had full authority to modify their own files, and the `hexedit` tool worked instantly.

```
Building dependency tree... Done
Reading state information... Done
hexedit is already the newest version (1.6-1).
0 upgraded, 0 newly installed, 0 to remove and 165 not upgraded.
terry@ubuntu:~$ hexedit /home/terry/projectsysadminNAGGINDA/Photos/"Blue and Yel
low Modern Upcoming Events Instagram Post (Flyer) (5).png"
terry@ubuntu:~$ sha256sum /home/terry/projectsysadminNAGGINDA/Photos/"Blue and Y
ellow Modern Upcoming Events Instagram Post (Flyer) (5).png"
6457d7d816a7c0b16ffd3405880e9aca11214d282b20e79b63496f36674545ba  /home/terry/pr
jectsysadminNAGGINDA/Photos/Blue and Yellow Modern Upcoming Events Instagram Po
st (Flyer) (5).png
terry@ubuntu:~$ rsync -av /home/terry/BACKUP/ /home/terry/projectsysadminNAGGIN
DA/
sending incremental file list
Photos/Blue and Yellow Modern Upcoming Events Instagram Post (Flyer) (5).png

sent 2,108,032 bytes  received 38 bytes  4,216,140.00 bytes/sec
total size is 32,106,555  speedup is 15.23
terry@ubuntu:~$ sha256sum /home/terry/projectsysadminNAGGINDA/Photos/"Blue and Y
ellow Modern Upcoming Events Instagram Post (Flyer) (5).png"
fe4d8905c74cc02738fee51fc0385ca71d5aa3d625dbe910d1f57ba52909c114  /home/terry/pr
jectsysadminNAGGINDA/Photos/Blue and Yellow Modern Upcoming Events Instagram Po
st (Flyer) (5).png
terry@ubuntu:~$
```



## Back up or restore your files

### Check backup settings

Windows cannot find the disk or network location where your backups are being saved.

[Options](#)

#### Backup

Location:

TRAPSOUL (D:)



57.60 GB free of 57.60 GB

[Back up now](#)

Backup size: Not Available

[Manage space](#)

Next backup: 11/16/2025 7:00 PM

Last backup: 10/29/2025 9:05 PM

Contents: Files in libraries and personal folders for selected users

Schedule: Every Sunday at 7:00 PM

[Change settings](#)

#### Restore

You can restore your files that were backed up on the current location.

[Restore my files](#)

[Restore all users' files](#)

[Select another backup to restore files from](#)