

CBS322 DIGITAL FORENSICS LAB

Darisi Priyatham

2021BCY0016

Created By AccessData® FTK® Imager 4.7.1.2

Case Information:

Acquired using: ADI4.7.1.2

Case Number: 123

Evidence Number: 10234

Unique description: somethingunique

Examiner: AG3N7_V1KRAM

Notes: shh

Information for D:\practice\sandisk-santhanam:

Physical Evidentiary Item (Source) Information:

[Device Info]

Source Type: Physical

[Drive Geometry]

Cylinders: 1,945

Tracks per Cylinder: 255

Sectors per Track: 63

Bytes per Sector: 512

Sector Count: 31,260,672

[Physical Drive Information]

Drive Model: SanDisk Cruzer Blade USB Device

Drive Serial Number: 4C530000070218217325

Drive Interface Type: USB

Removable drive: True

Source data size: 15264 MB

Sector count: 31260672

[Computed Hashes]

MD5 checksum: 653a384efa2eff1eda94c18b8a131425

SHA1 checksum: 6b2971eb32a52aa391748614835215971c26cfb6

Image Information:

Acquisition started: Tue Jan 9 14:40:57 2024

Acquisition finished: Tue Jan 9 14:50:43 2024

Segment list:

D:\practice\sandisk-santhanam.001

D:\practice\sandisk-santhanam.002

Image Verification Results:

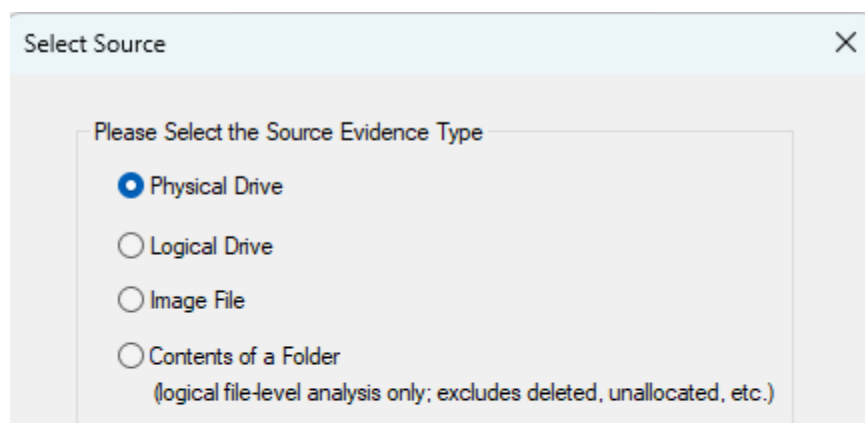
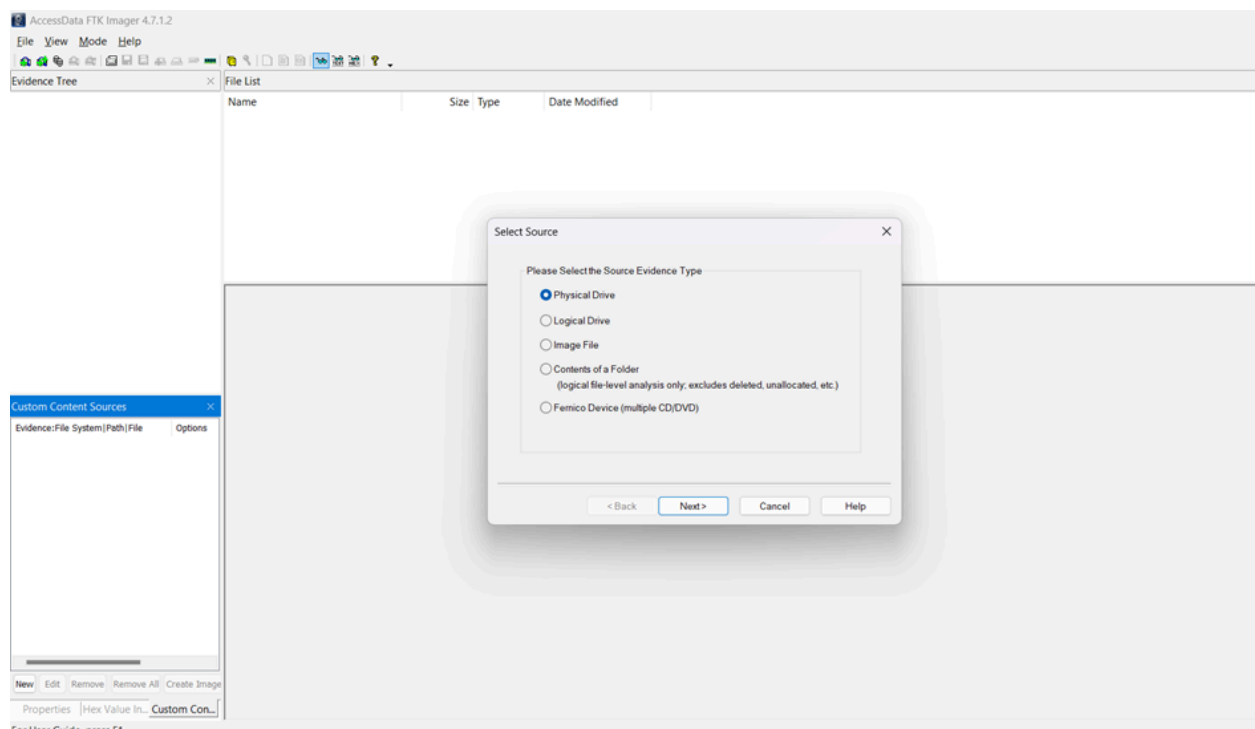
Verification started: Tue Jan 9 14:50:43 2024

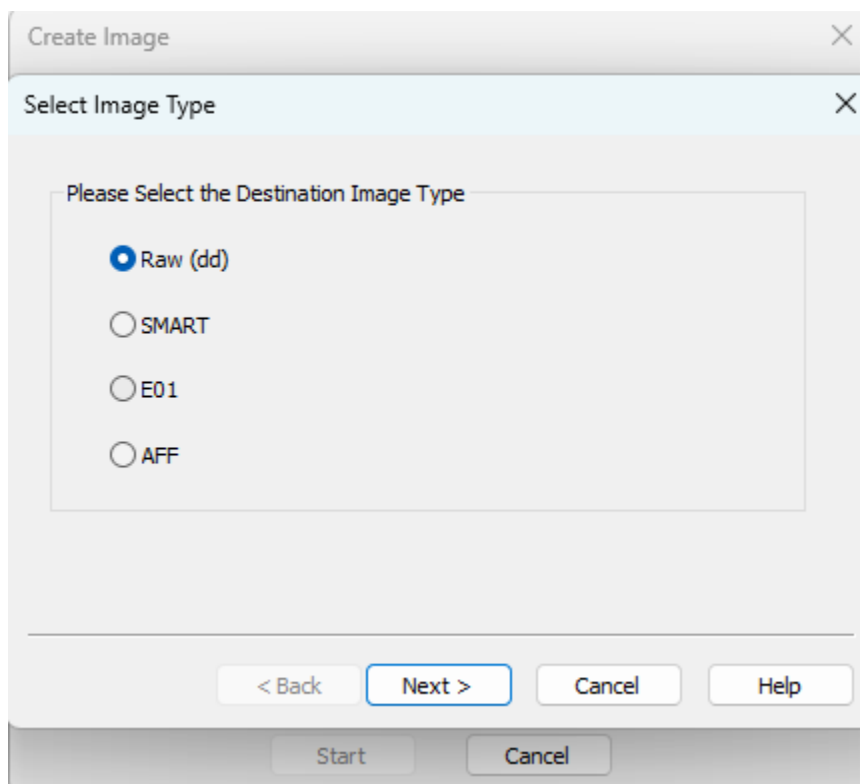
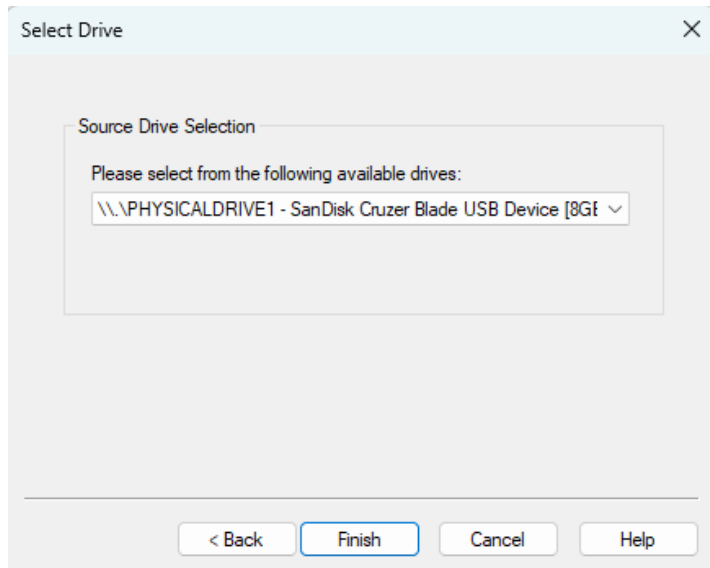
Verification finished: Tue Jan 9 14:51:24 2024

MD5 checksum: 653a384efa2eff1eda94c18b8a131425 : verified

SHA1 checksum: 6b2971eb32a52aa391748614835215971c26cfb6 : verified

Disk Image





File > Create Disk Image > Physical (bit by bit image) > Select disk > Raw/DD format (others are proprietary) >> Make sure you select "verify image after creation"

Create Image

Select Image Destination

Image Destination Folder
C:\Users\IITK\Desktop\images Browse

Image Filename (Excluding Extension)
sandisk_image

Image Fragment Size (MB)
For Raw, E01, and AFF formats: 0 = do not fragment 0

Compression (0=None, 1=Fastest, ..., 9=Smallest) 0

Use AD Encryption ☐

< Back Finish Cancel Help

Start Cancel

Creating Image...

Image Source: \\.\PHYSICALDRIVE1

Destination: C:\Users\IITK\Desktop\images\sandisk_image

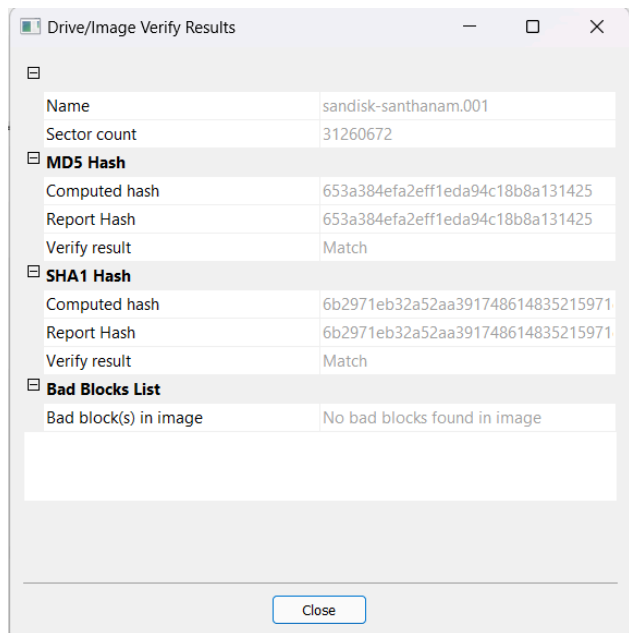
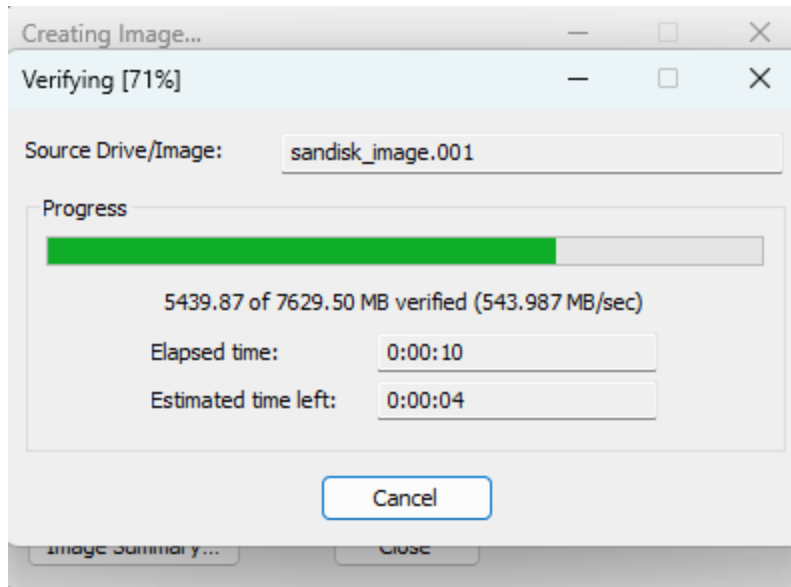
Status: Creating image...

Progress

Elapsed time: 0:07:37

Estimated time left:

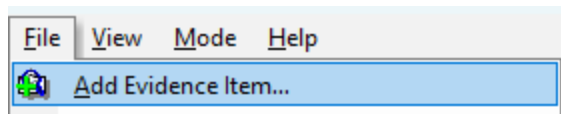
Cancel



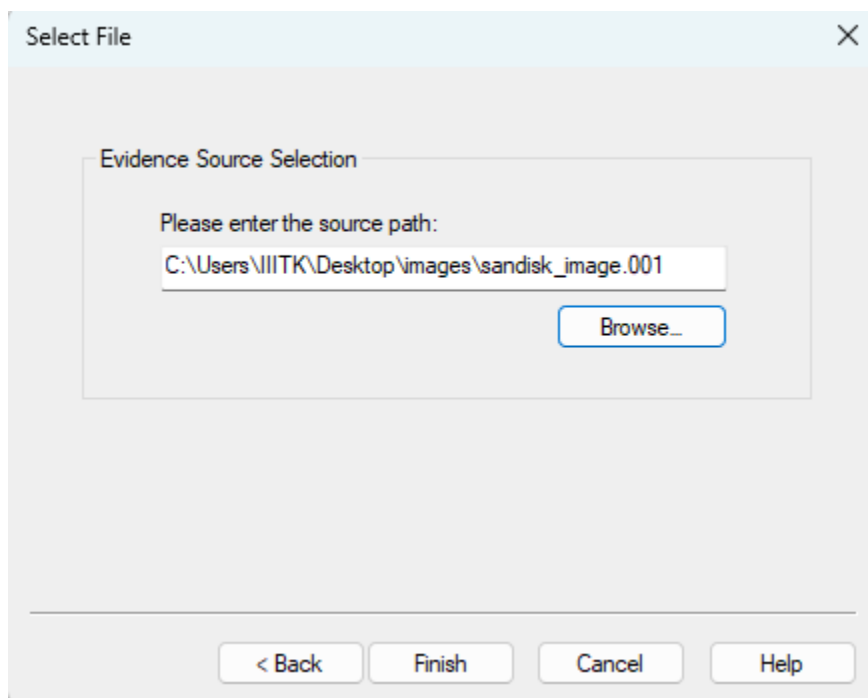
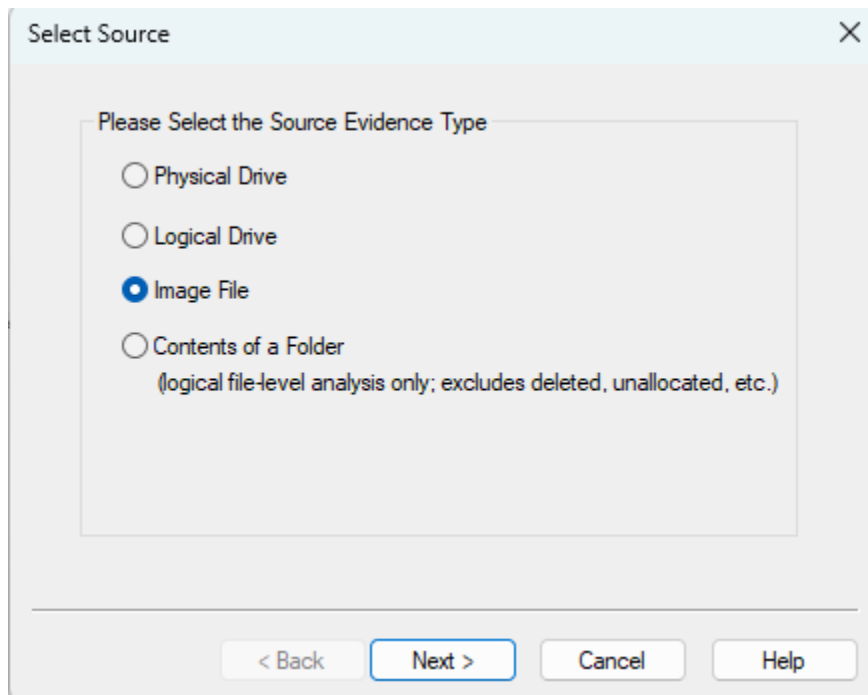
Check image summary, segmentation 0 means no segmentation made, change it and try

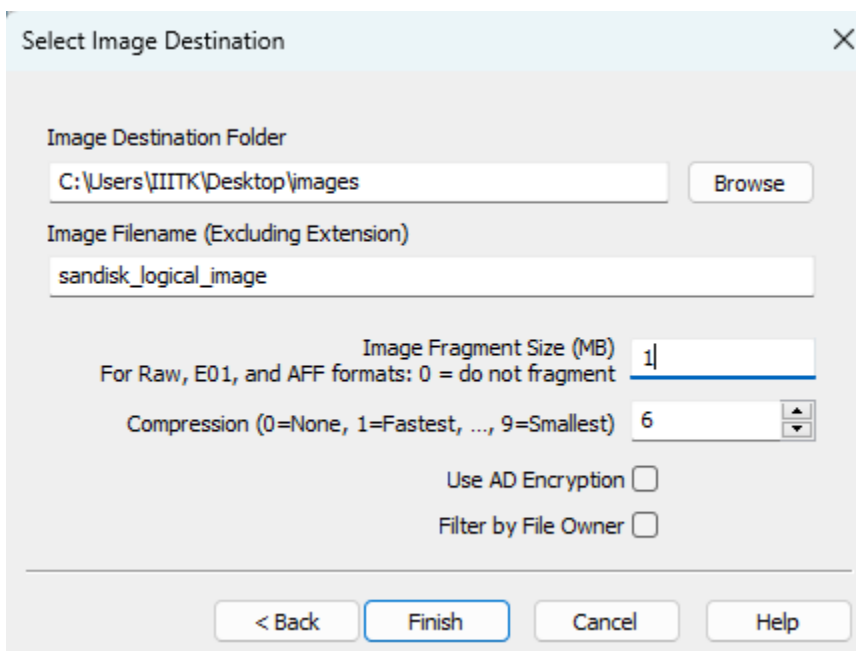
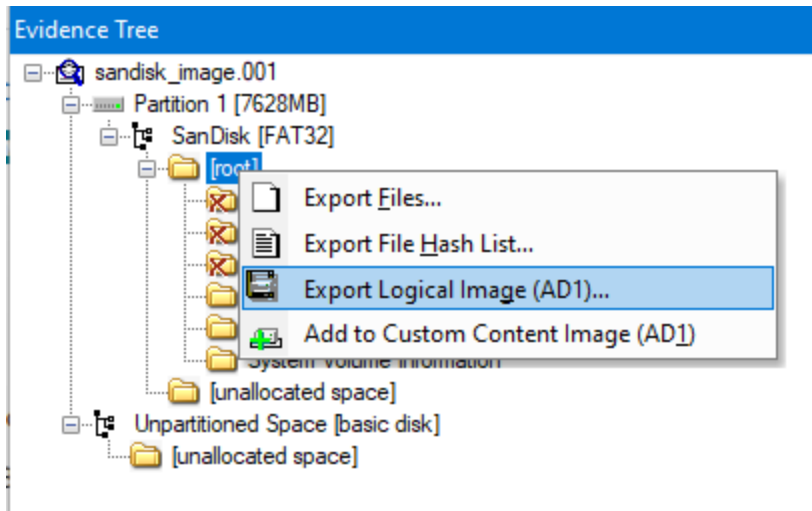
Pagefile - extension of RAM, when RAM is full, it will be moved to pagefile. It is 1.5x to 2x RAM size. RAW format is a good format since it's a binary format. It's a fast data transfer, but needs the same amount of storage as a disk. If proprietary format is used, that image can only be read by that software.

File > Add evidence > select item



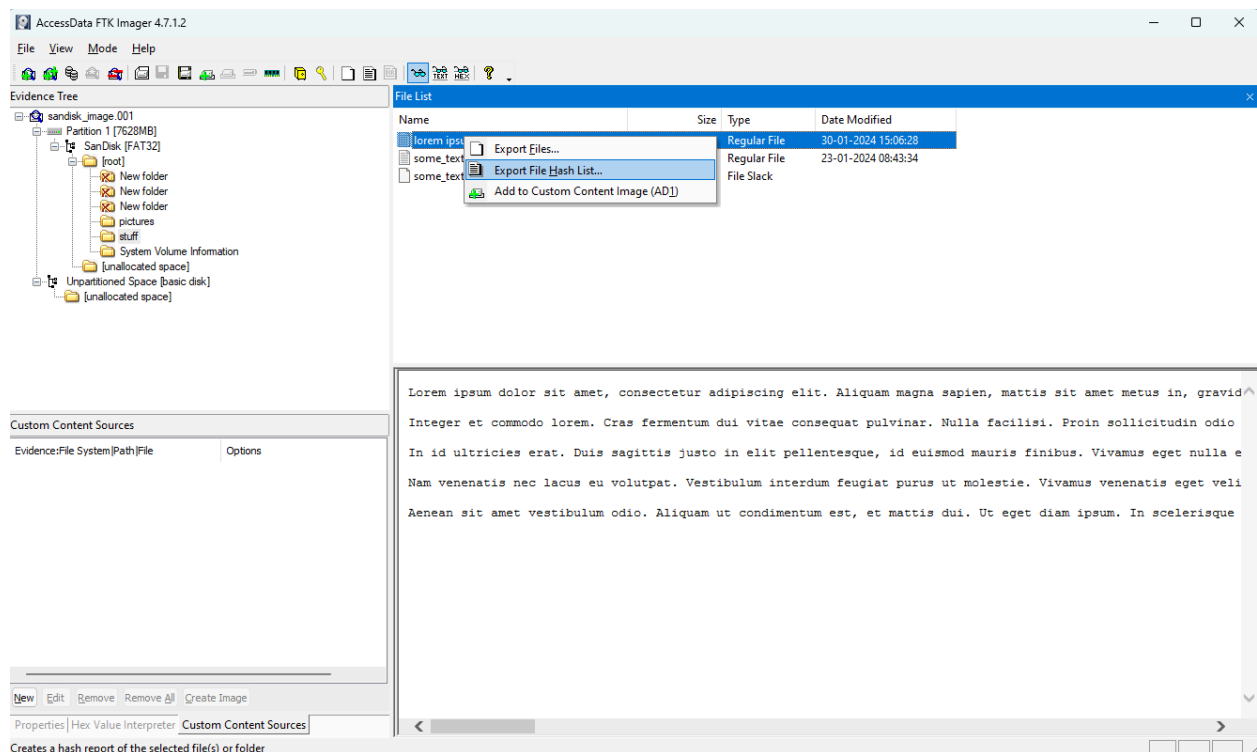
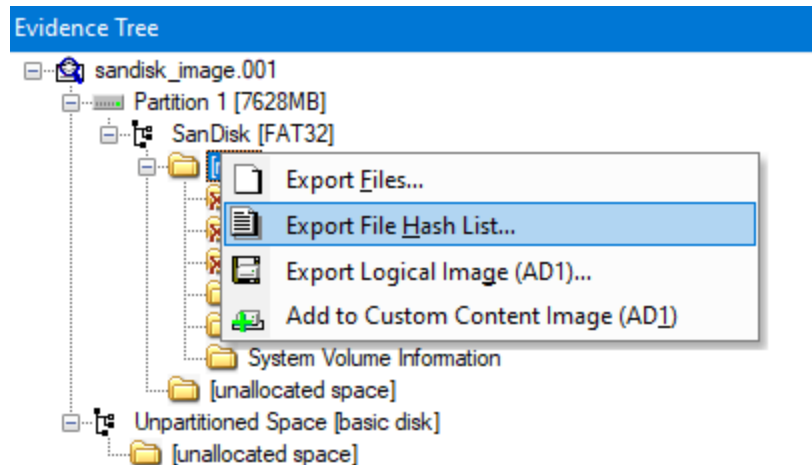
We can inspect the disk image this way





Right click > Export hashfile

FTK imager only makes images, although can see files in small pane, to see the file properly, we can mount and see



Hex format

