

Cyber Forensics and Investigation

Course Code: BCI4001

Slot: L55+L56

Faculty: Dr. AJU D

Assessment: 2

18BCI0247

Rohan Allen

Exercise 2: FTK Imager 27/8/21

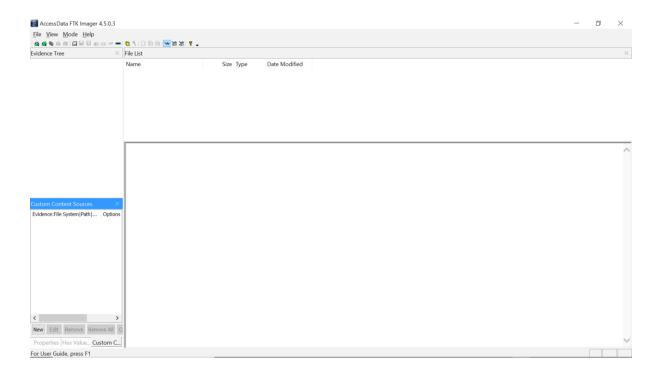
- 1. Create a disk image using FTK imager for different storages.
- 2. Analyze the disk image (.E01 /.dd) and generate a forensic report using Autopsy.

AIM:

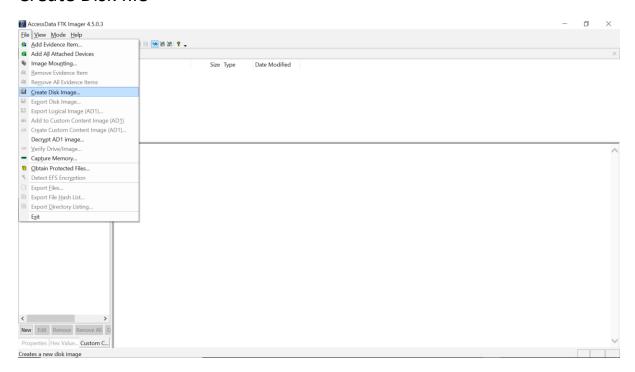
To create a disk image of my USB using FTK Imager and to analyse that disk using Autopsy.

Procedure

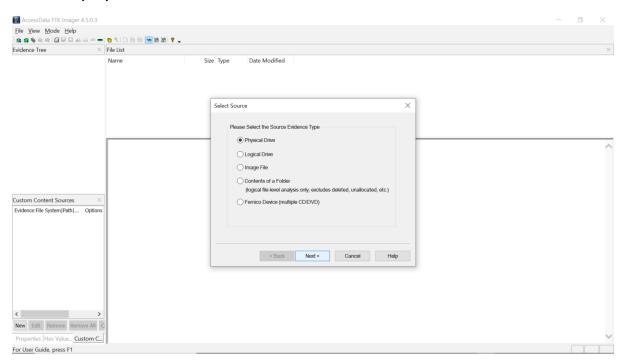
a) Open FTK-Imager



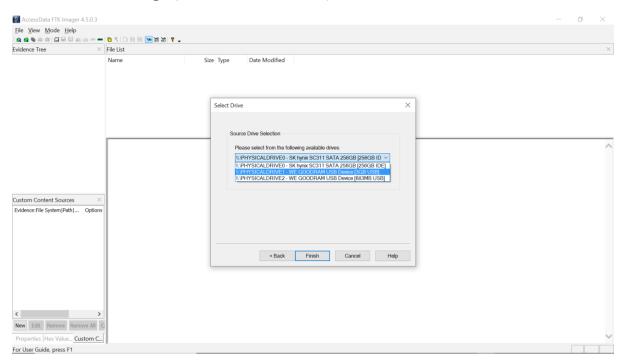
Create Disk file



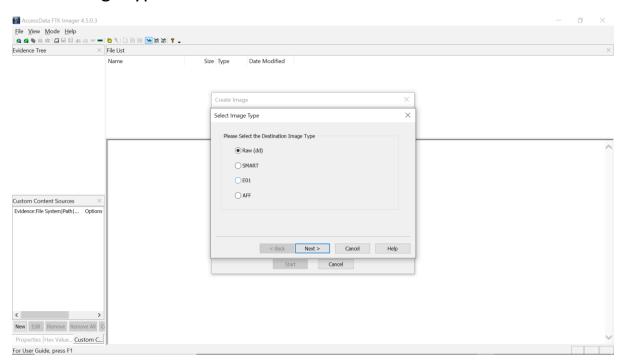
Choose physical drive



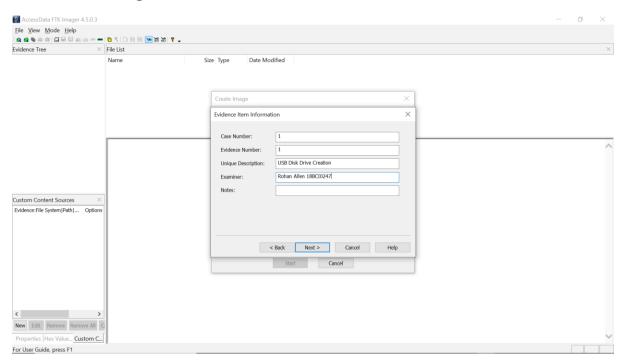
Chose the usb-3gb(Trend Micro USB)



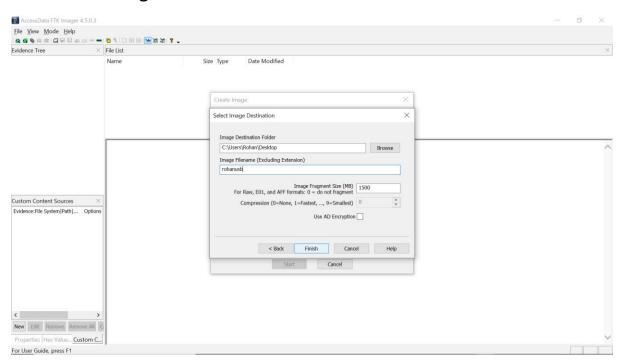
Select image type as raw

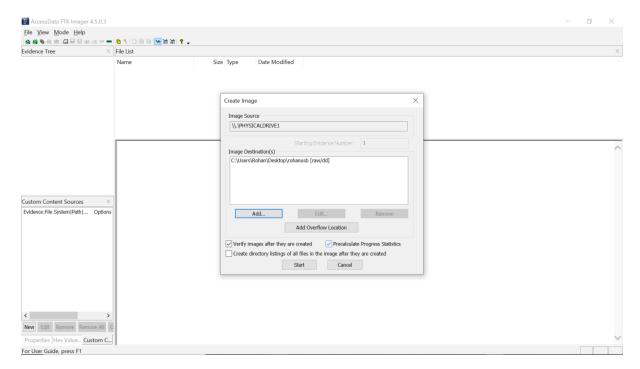


Enter disk image information

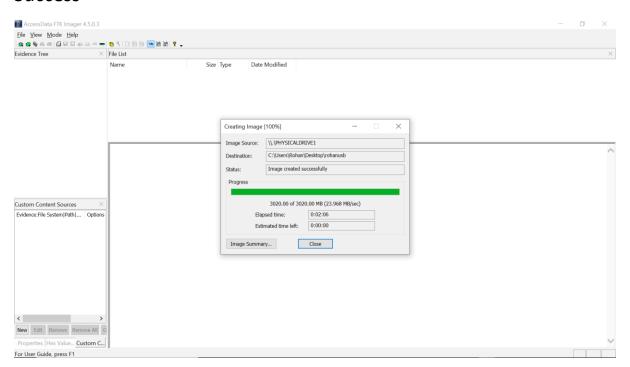


Select disk image name and destination address

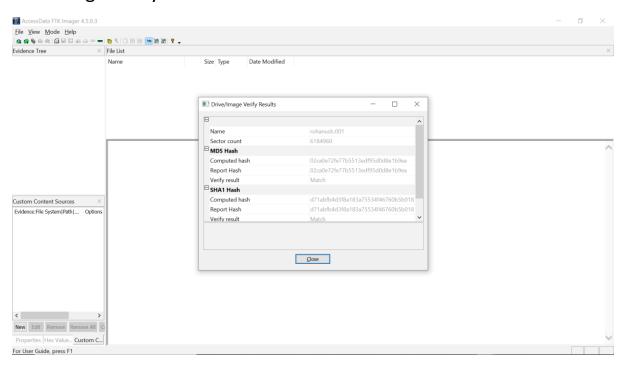




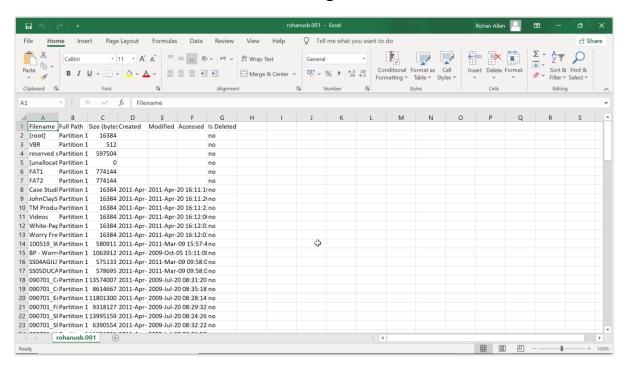
Success



Disk Image verify results:



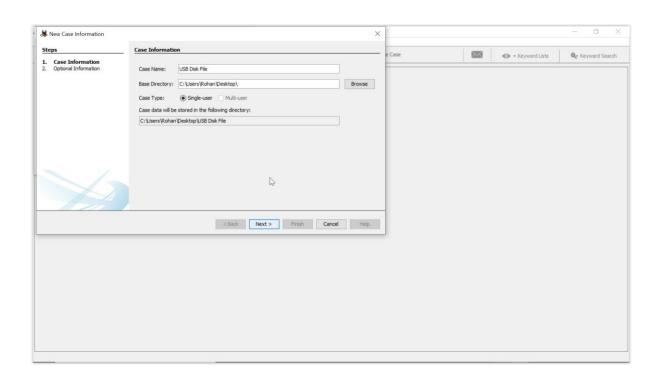
Excel Sheet with data of usb file image



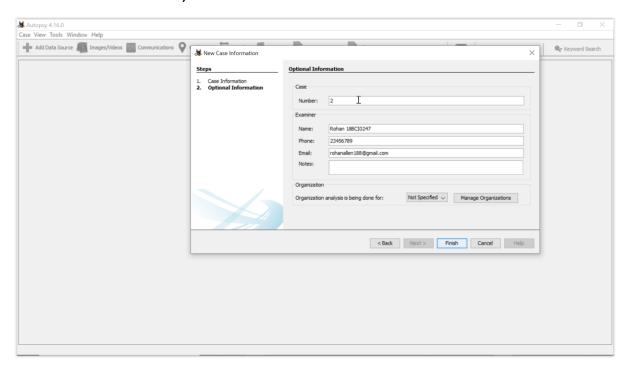
Text Doc with Image Summary:



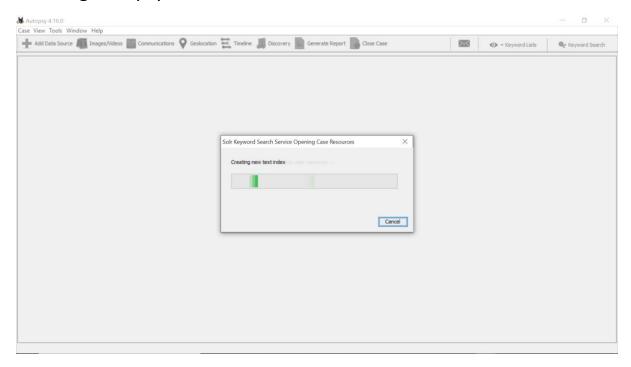
Analyse disk image in autopsy



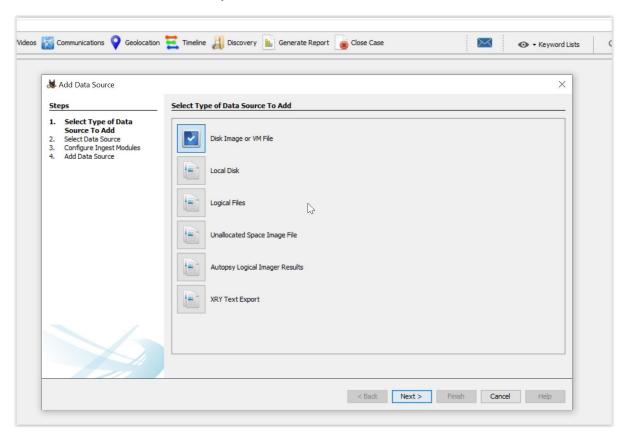
Enter Case Number, and Examiner details



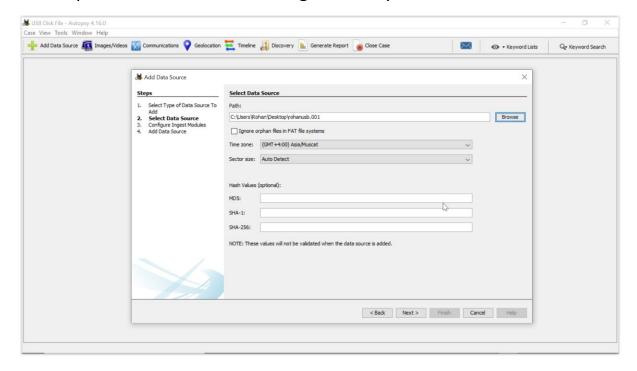
Creating Autopsy Case file



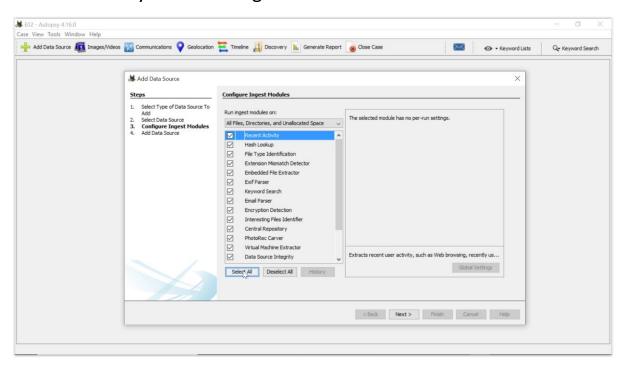
Add data source to analyse



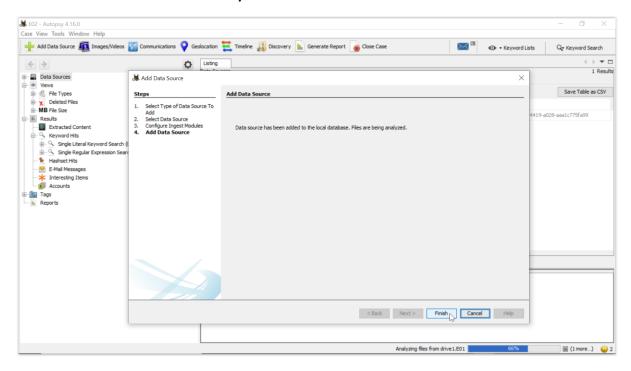
Select path to add E01 drive image to analyse. Also Select timezone



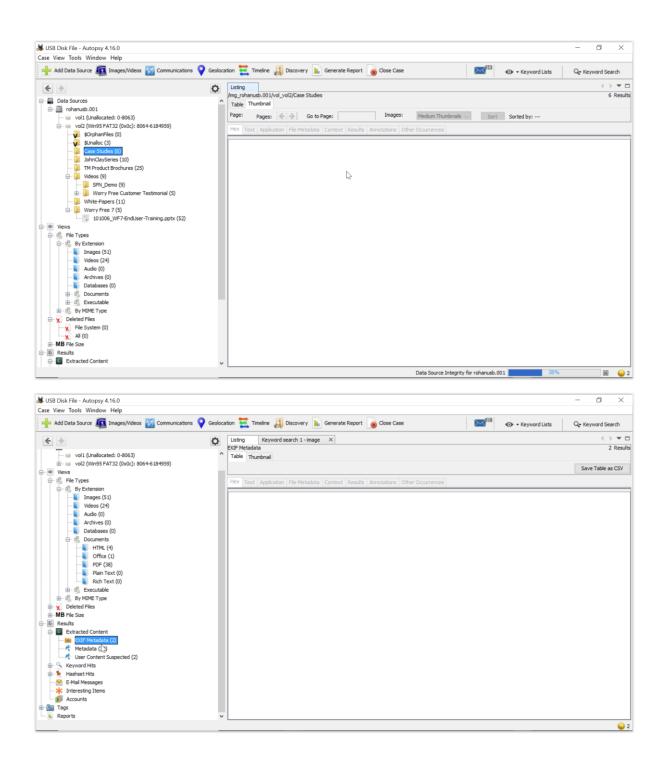
Configure ingest module to select the various types of processing you want done on your disk image. I have selected all.



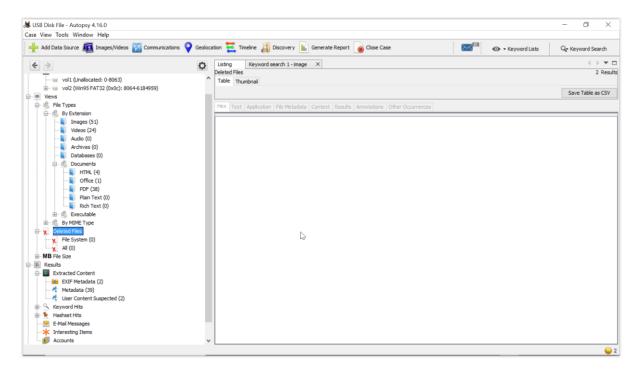
Data Source is successfully added.



Can view information like data source, files contained, deleted files, images, videos, emails, etc and their hexadecimal and metadata information for the USB disk image being analysed.



Deleted files:



Generate html report of case findings

