AUTOPSY

Arkansas Strike Team

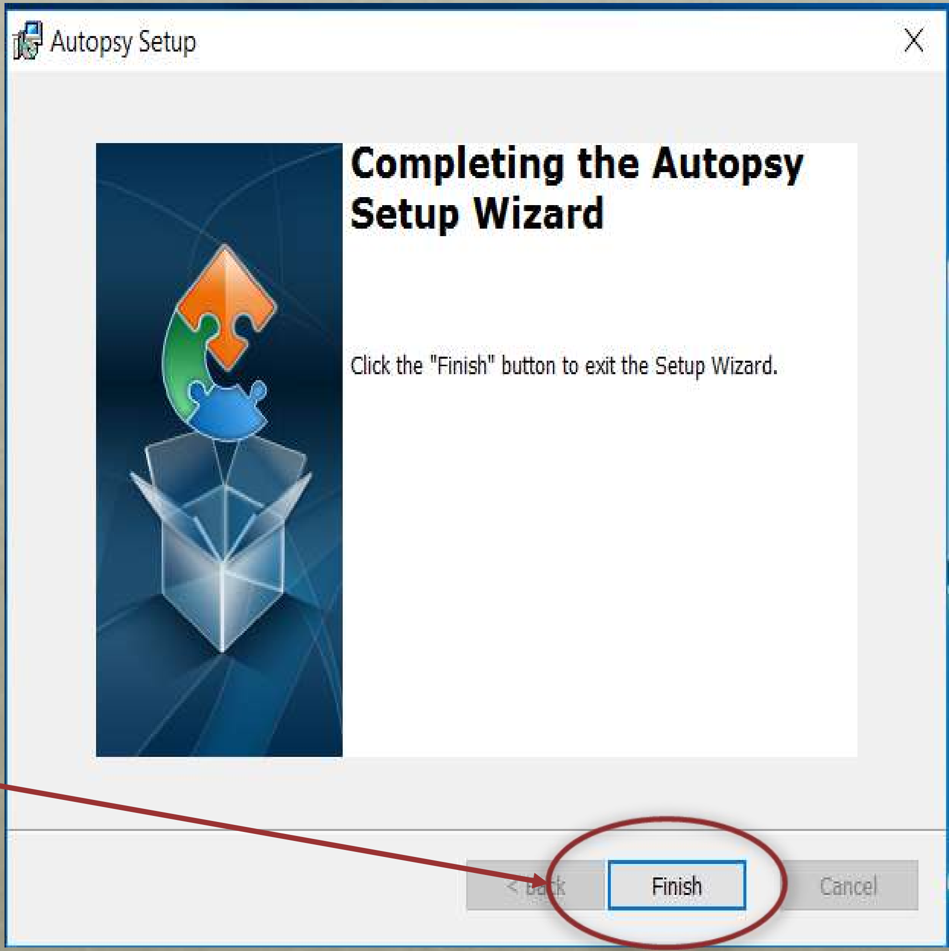
September 2021

AUTOPSY

- **Autopsy** is a FREE forensic tool. It is a digital forensics platform and graphical interface to The Sleuth Kit and other digital forensics tools. It is used by law enforcement, military, and corporate examiners to investigate what happened on a computer.
- Download Autopsy from the website: http://sleuthkit.org/autopsy/download.php

INSTALLATION

- Run Autopsy msi file (autopsy-4.3.0-64bit.exe)
- Click through the dialog boxes until you click a button that says *Finish*



Completing the Autopsy Setup Wizard

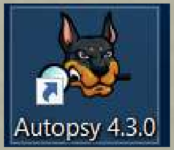
Click the "Finish" button to exit the Setup Wizard.

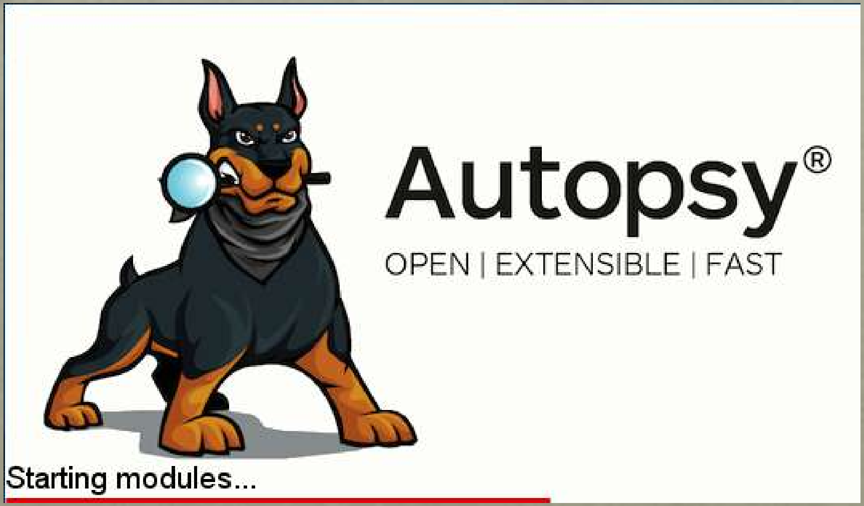
AUTOPSY WORKFLOW

1. **Create a Case**
2. **Adding a Data Source**
3. **Analyze with Ingest Modules**
4. **Manual Analysis**
5. **Report Generation**

Launch Autopsy

- Autopsy should now be fully installed
- Double click on the icon

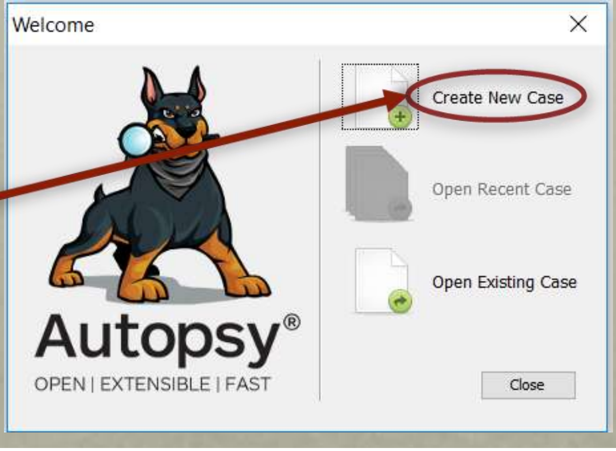




Starting modules...

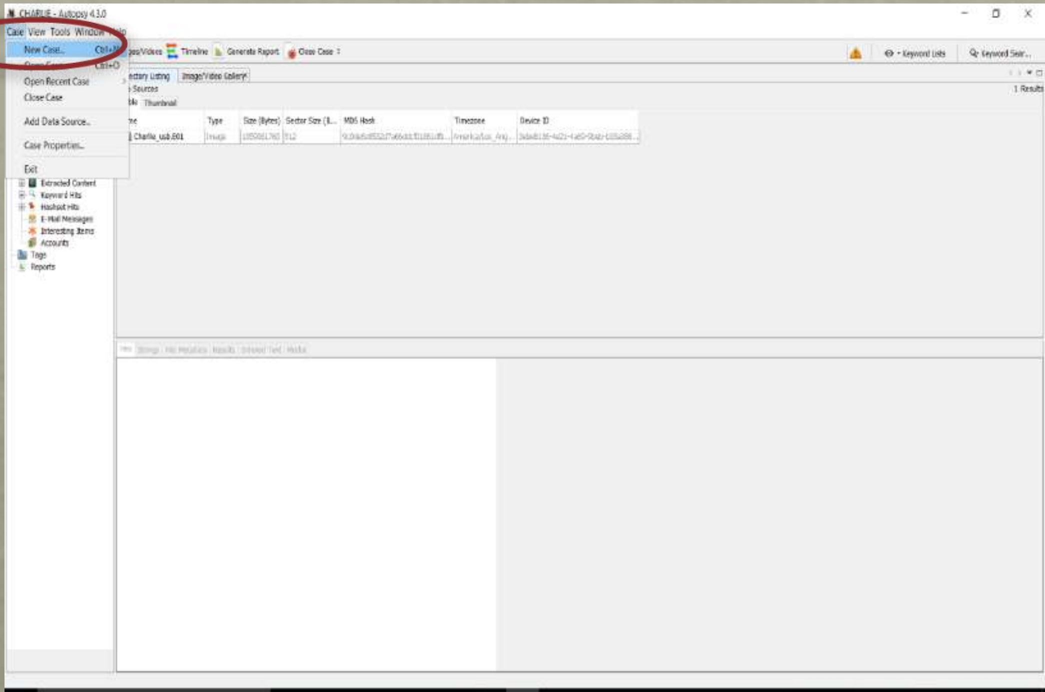
CREATE NEW CASE

- Click **Create New Case**



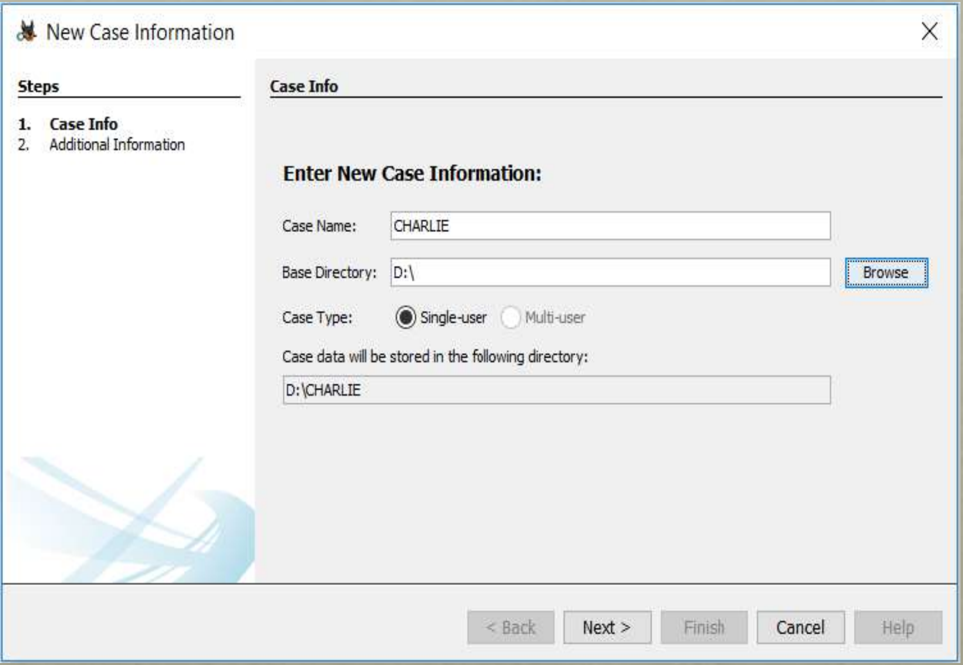
or

- Click **CASE → New Case**



Name	Type	Size (Bytes)	Sector Size (B...	MD5 Hash	Timezone	Device ID
Charlie_usb.E01	Image	[illegible]	512	[illegible]	America/Los_Ang...	[illegible]

New Case Information



New Case Information

Steps

1. **Case Info**
2. Additional Information

Case Info

Enter New Case Information:

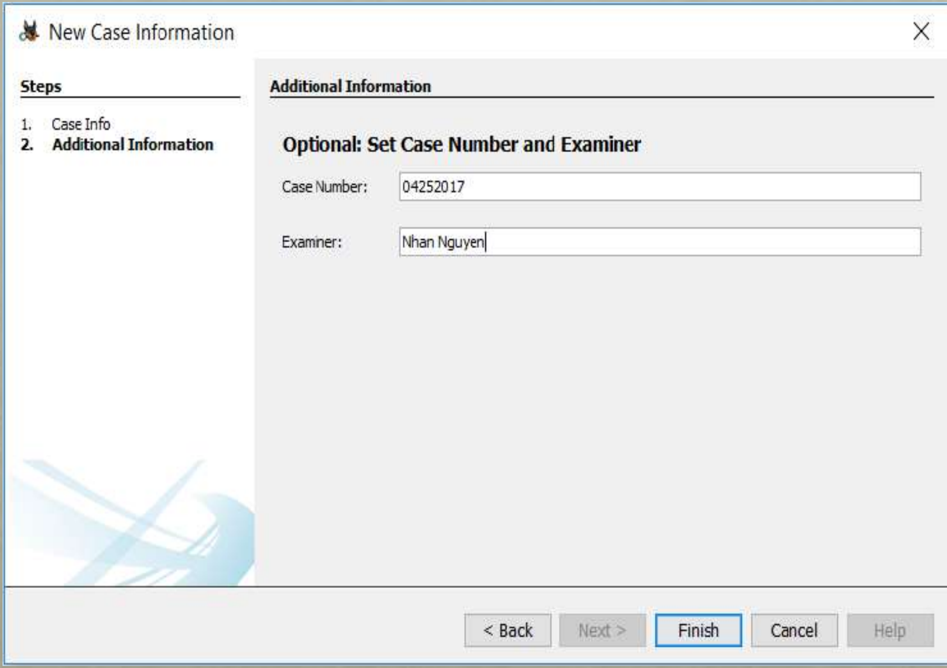
Case Name: CHARLIE

Base Directory: D:\

Case Type: ● Single-user ○ Multi-user

Case data will be stored in the following directory:

D:\CHARLIE



New Case Information

Steps

1. Case Info
2. **Additional Information**

Additional Information

Optional: Set Case Number and Examiner

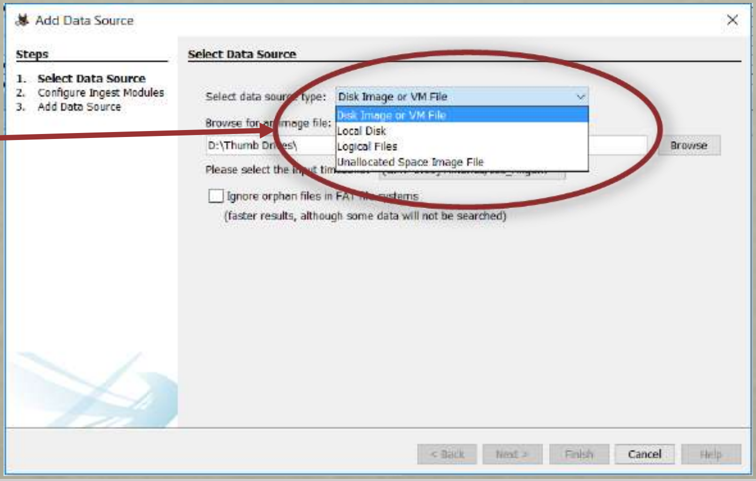
Case Number: 04252017

Examiner: Nhan Nguyen

ADDING A DATA SOURCE

- There are four options.

1. **Disk Image or VM File**
2. **Local Disk**
3. **Logical Files**
4. **Unallocated Space Image File**



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Disk Image or VM File

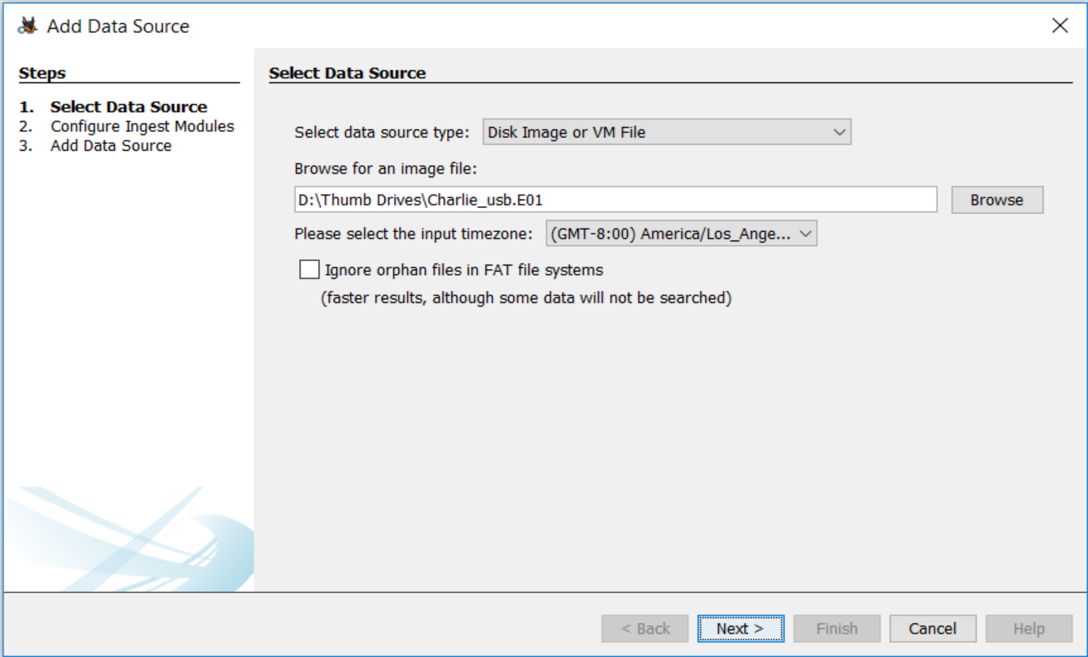
Browse for an image file:

D:\Thumb Drives\

Please select the input timezone:

□ Ignore orphan files in FAT file systems

(faster results, although some data will not be searched)



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Disk Image or VM File

Browse for an image file:

D:\Thumb Drives\Charlie_usb.E01

Please select the input timezone: (GMT-8:00) America/Los_Ange...

□ Ignore orphan files in FAT file systems

(faster results, although some data will not be searched)

THREE TYPES OF DATA SOURCES

1. **Disk Image:** A file (or set of files) that is a byte-for-byte copy of a hard drive or flash drive

- Raw Single (For example: *.img, *.dd, *.raw, *.bin)
- Raw Split (For example: *.001, *.002, *.aa, *.ab, etc)
- EnCase (For example: *.e01, *.e02, etc)
- Virtual Machines (For example: *.vmdk, *.vhd)

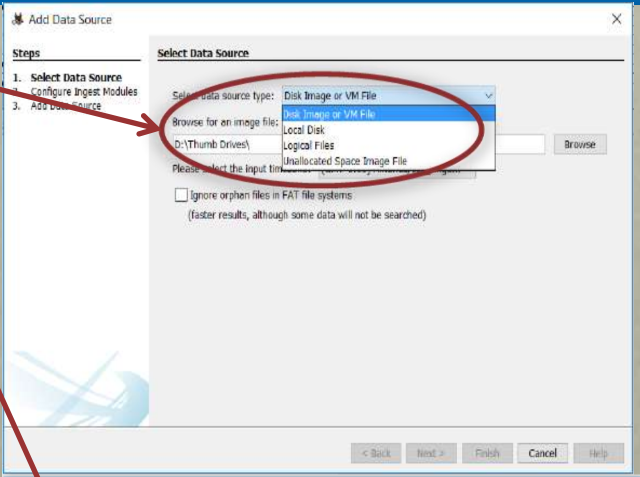
THREE TYPES OF DATA SOURCES (CONT)

2. **Local Drive:** Local storage device (USB attached flash drive

3. **Logical Files:** Local files or folders

ADDING A DISK IMAGE

1. Select "**Disk Image**" from the pull down.
2. Browse to the first file in the disk image and only the first file and Autopsy will find the rest.
3. Select **Timezone** that the disk image came from. Autopsy will not know how to normalize to UTC.
4. Choose to perform orphan file finding on FAT file systems. This can be a time intensive process because it will require that Autopsy look at each sector in the device.



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

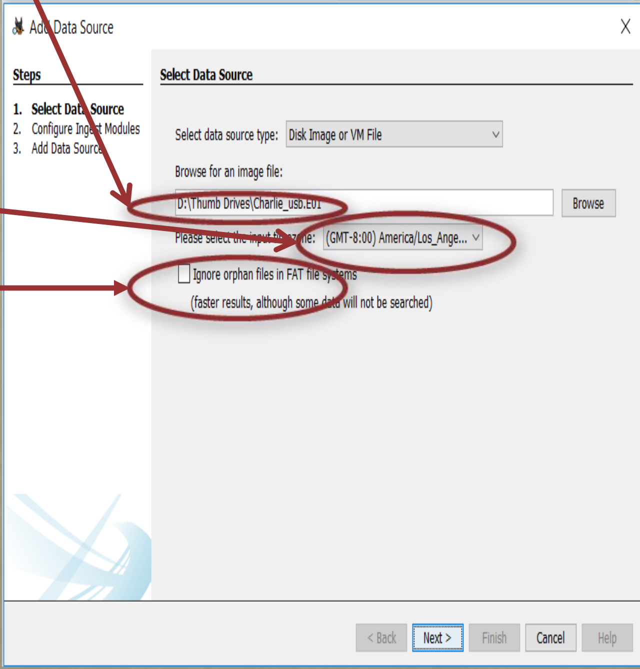
Select data source type: Disk Image or VM File

- Disk Image or VM File
- Local Disk
- Logical Files
- Unallocated Space Image File

Browse for an image file: D:\Thumb Drives\

Please select the input timezone:

□ Ignore orphan files in FAT file systems
(faster results, although some data will not be searched)



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Disk Image or VM File

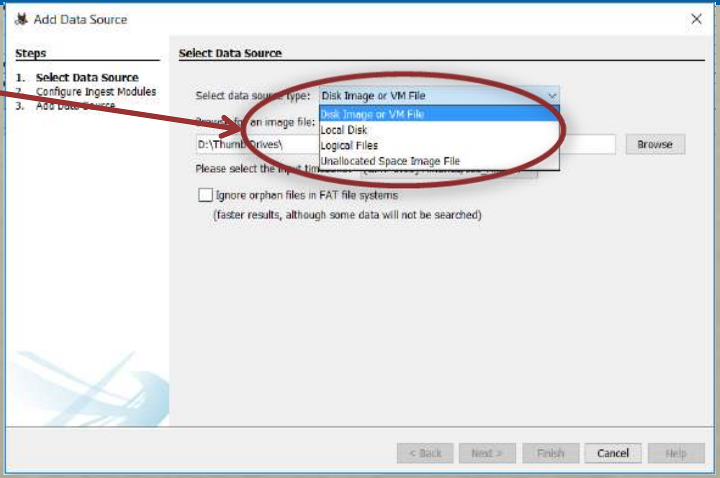
Browse for an image file: D:\Thumb Drives\Charlie_usb.E01

Please select the input timezone: (GMT-8:00) America/Los_Ange...

□ Ignore orphan files in FAT file systems
(faster results, although some data will not be searched)

ADDING A LOCAL DRIVE

1. Select “**Local Drive**" from the pull down of the Data Source Type.
2. Select a local disk from the drop down list
3. Choose to perform orphan file finding on FAT file systems. This can be a time intensive process because it will require that Autopsy look at each sector in the device.



Add Data Source

Steps

1. Select Data Source
2. Configure Ingest Modules
3. Add Data Source

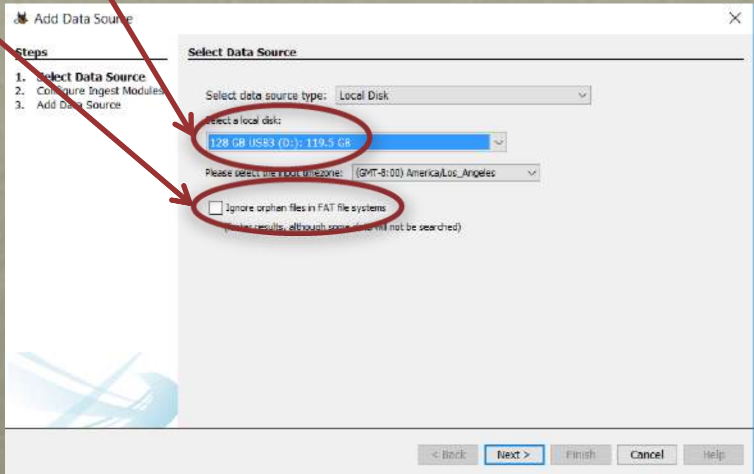
Select Data Source

Select data source type: Disk Image or VM File

Browse for an image file: D:\Thumb Drives\

Please select the input timezone:

□ Ignore orphan files in FAT file systems
(faster results, although some data will not be searched)



Add Data Source

Steps

1. Select Data Source
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Local Disk

Select a local disk: 128 GB USB3 (D:): 119.5 GB

Please select the input timezone: (GMT-8:00) America/Los_Angeles

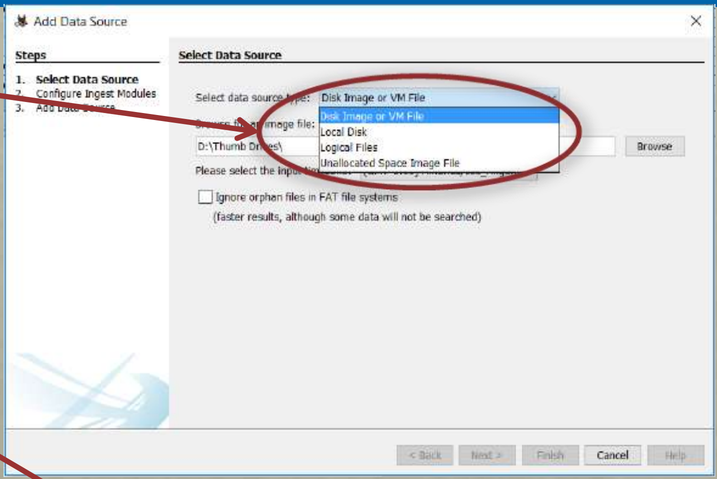
□ Ignore orphan files in FAT file systems
(faster results, although some data will not be searched)

ADDING A LOCAL FILES

1. Select "**Local Files**" from the full down of Data Source Type.

2. Press the "**Add**" button and navigate to a folder (including sub-folders) or file to add.

3. Continue to press "Add" until all files and folders have been selected.



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Disk Image or VM File

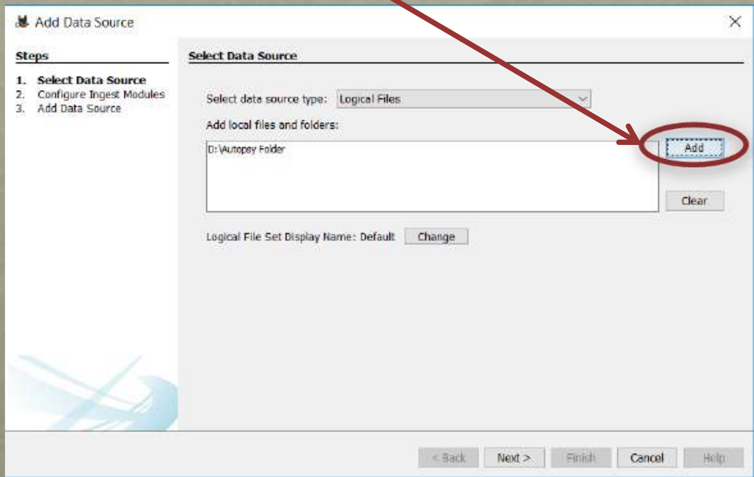
- Disk Image or VM File
- Local Disk
- Logical Files
- Unallocated Space Image File

Browse for an image file:

D:\Thumb Drives\

Please select the input timezone:

□ Ignore orphan files in FAT file systems
(faster results, although some data will not be searched)



Add Data Source

Steps

1. **Select Data Source**
2. Configure Ingest Modules
3. Add Data Source

Select Data Source

Select data source type: Logical Files

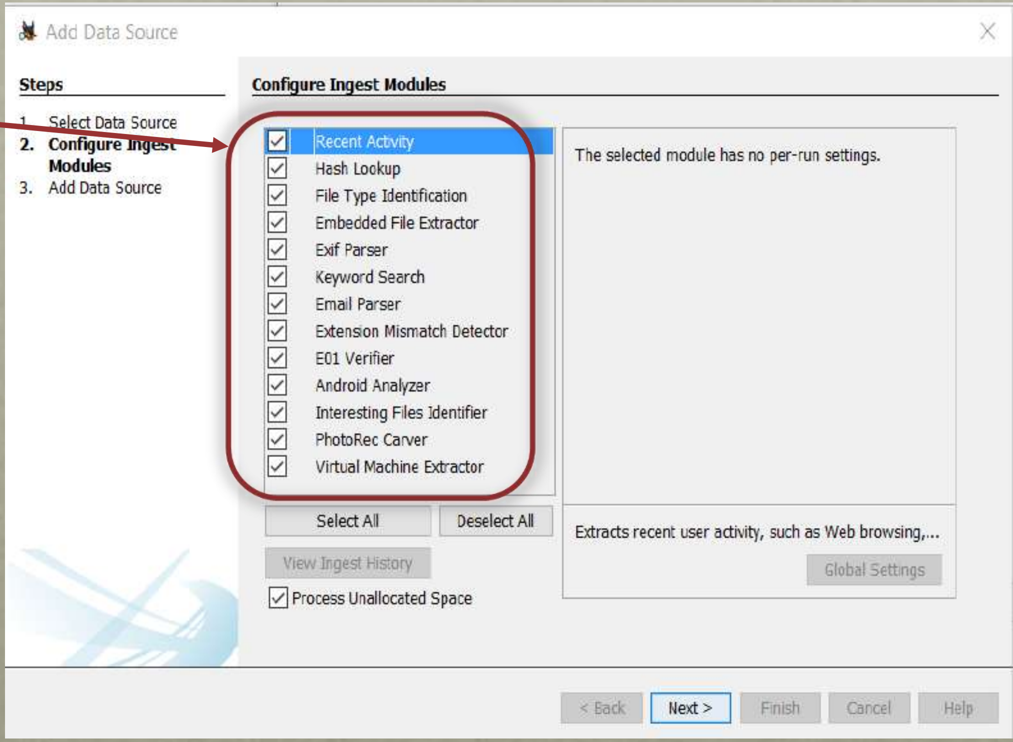
Add local files and folders:

D:\Autopsy Folder

Logical File Set Display Name: Default

INGEST MODULES

- List of Ingest Modules to enable
- After you configure the ingest modules, you may need to wait for Autopsy to finish its basic examination of the data source



Add Data Source

Steps

1. Select Data Source
2. **Configure Ingest Modules**
3. Add Data Source

Configure Ingest Modules

☑ Recent Activty
☑ Hash Lookup
☑ File Type Identification
☑ Embedded File Extractor
☑ Exif Parser
☑ Keyword Search
☑ Email Parser
☑ Extension Mismatch Detector
☑ E01 Verifier
☑ Android Analyzer
☑ Interesting Files Identifier
☑ PhotoRec Carver
☑ Virtual Machine Extractor

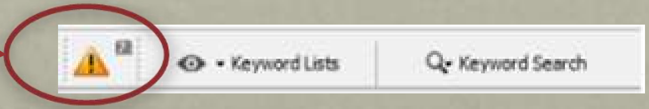
The selected module has no per-run settings.

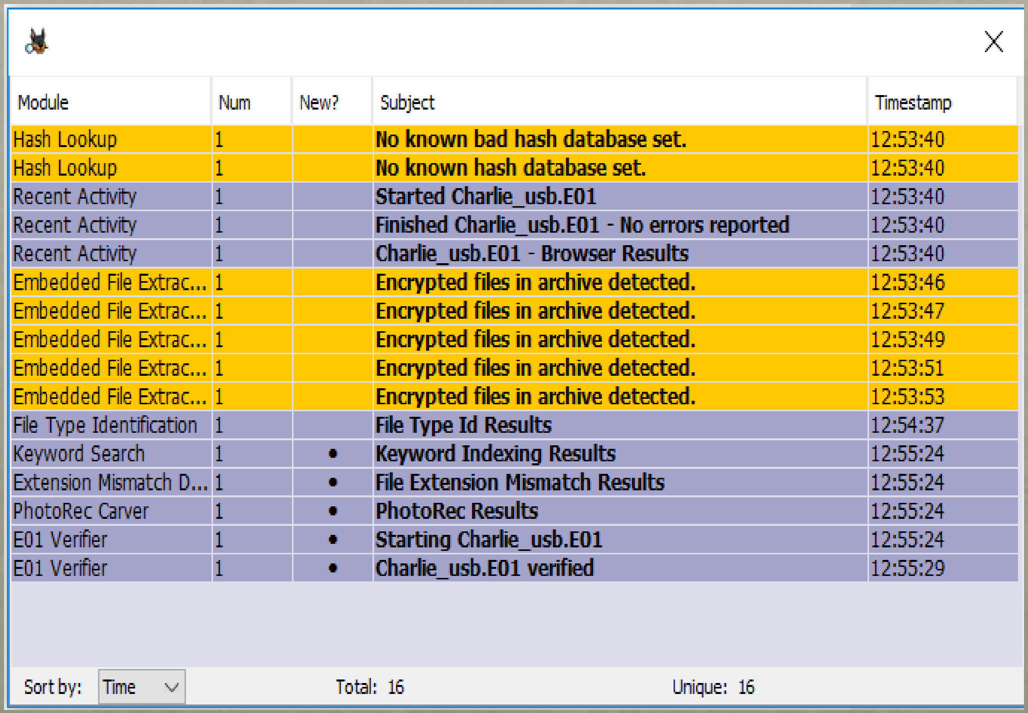
Extracts recent user activity, such as Web browsing,...

☑ Process Unallocated Space

Viewing Ingest Modules Results

- Click **Yellow Triangle** on the top right





Module	Num	New?	Subject	Timestamp
Hash Lookup	1		No known bad hash database set.	12:53:40
Hash Lookup	1		No known hash database set.	12:53:40
Recent Activity	1		Started Charlie_usb.E01	12:53:40
Recent Activity	1		Finished Charlie_usb.E01 - No errors reported	12:53:40
Recent Activity	1		Charlie_usb.E01 - Browser Results	12:53:40
Embedded File Extrac...	1		Encrypted files in archive detected.	12:53:46
Embedded File Extrac...	1		Encrypted files in archive detected.	12:53:47
Embedded File Extrac...	1		Encrypted files in archive detected.	12:53:49
Embedded File Extrac...	1		Encrypted files in archive detected.	12:53:51
Embedded File Extrac...	1		Encrypted files in archive detected.	12:53:53
File Type Identification	1		File Type Id Results	12:54:37
Keyword Search	1	•	Keyword Indexing Results	12:55:24
Extension Mismatch D...	1	•	File Extension Mismatch Results	12:55:24
PhotoRec Carver	1	•	PhotoRec Results	12:55:24
E01 Verifier	1	•	Starting Charlie_usb.E01	12:55:24
E01 Verifier	1	•	Charlie_usb.E01 verified	12:55:29

Sort by: Time Total: 16 Unique: 16

INGEST MODULES (CONT)

- **Recent Activity Module** extracts user activity as saved by web browsers and the OS. Also runs Regripper on the registry hive
- **File Type Identification Module** determines file types based on signatures and reports them based on MIME type. It stores the results in the Blackboard and many modules depend on this. It uses the Tika open source library. You can define your own custom file types in Tools, Options, File Types

INGEST MODULES (CONT)

- **Hash Database Lookup Module** uses hash databases to ignore known files from the NIST NSRL. Use the "Advanced" button to add and configure the hash databases to use during this process. You will get updates on known bad file hits as the ingest occurs. You can later add hash databases via the Tools -> Options menu in the main UI. NIST NSRL can be downloaded from http://sourceforge.net/projects/autopsy/files/NSRL/

INGEST MODULES (CONT)

- **Hash Embedded File Extraction Module** opens ZIP, RAR, other archive formats, Doc, Docx, PPT, PPTX, XLS, and XLSX and sends the derived files from those files back through the ingest pipeline for analysis.
- **EXIF Parser Module** extracts EXIF information from JPEG files and posts the results into the tree in the main UI.

INGEST MODULES (CONT)

- **Keyword Search Module** uses keyword lists to identify files with specific words in them. You can select the keyword lists to search for automatically and you can create new lists using the "Advanced" button. You do not need to wait for all files to be indexed before performing a keyword search, however you will only get results from files that have already been indexed when you perform your search

INGEST MODULES (CONT)

- **Extension Mismatch Detector Module** uses the results from the File Type Identification and flags files that have an extension not traditionally associated with the file's detected type. Ignores 'known' (NSRL) files. You can customize the MIME types and file extensions per MIME type in Tools, Options, File Extension Mismatch

INGEST MODULES (CONT)

- **Email Parser Module** identifies Thunderbird MBOX files and PST format files based on file signatures, extracting the e-mails from them, adding the results to the Blackboard
- **E01 Verifier Module** computes a checksum on E01 files and compares with the E01 file's internal checksum to ensure they match

INGEST MODULES (CONT)

- **Extension Mismatch Detector Module** uses the results from the File Type Identification and flags files that have an extension not traditionally associated with the file's detected type. Ignores 'known' (NSRL) files. You can customize the MIME types and file extensions per MIME type in Tools, Options, File Extension Mismatch

INGEST MODULES (CONT)

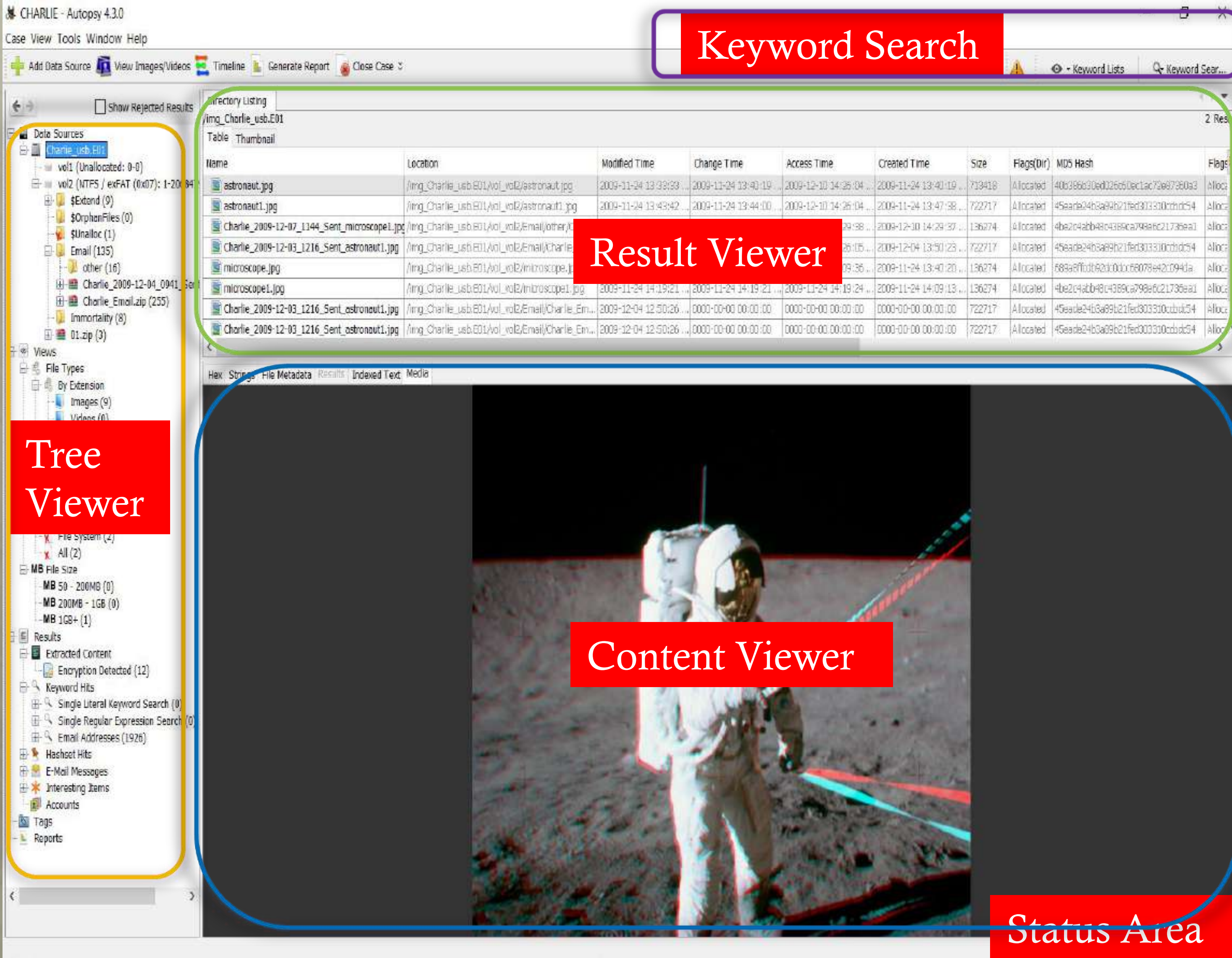
- **Android Analyzer Module** allows you to parse common items from Android devices. Places artifacts into the BlackBoard
- **PhotoRec Carver Module** carves files from unallocated space and sends them through the file processing chain

INGEST MODULES (CONT)

- **Interesting Files Identifier Module** searches for files and directories based on user-specified rules in Tools, Options, Interesting Files. It works as a "File Alerting Module". It generates messages in the inbox when specified files are found

USER INTERFACE (UI) LAYOUT

- Tree Viewer
- Result Viewer
- Content Viewer
- Keyword Search
- Status Area



/img_Charlie_usb.E01

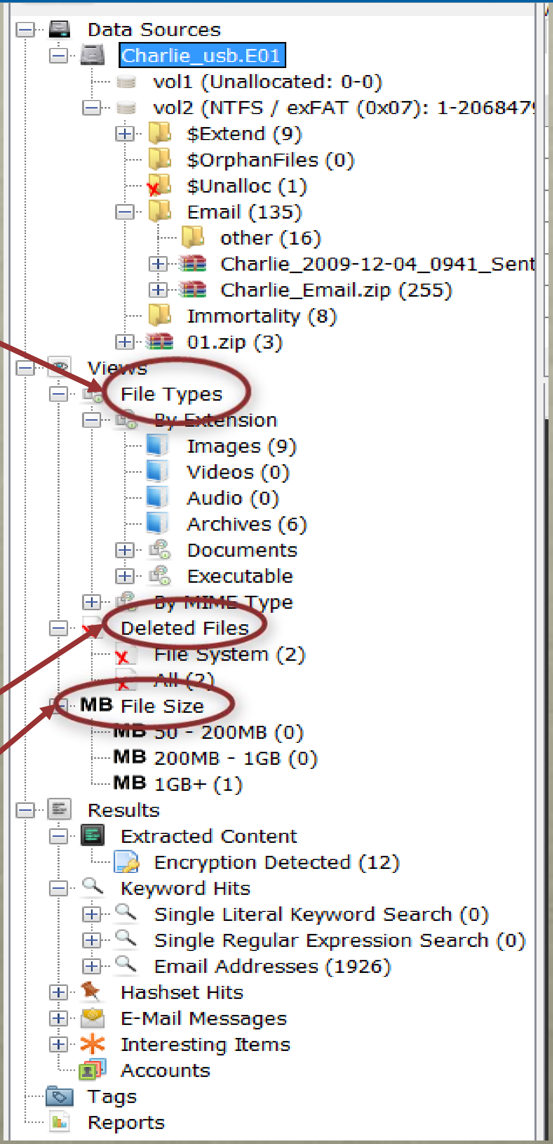
2 Res

Name	Location	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	MD5 Hash	Flags
astronaut.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut.jpg	2009-11-24 13:33:33 ...	2009-11-24 13:40:19 ...	2009-12-10 14:26:04 ...	2009-11-24 13:40:19 ...	713418	Allocated	40b386b30ed026d50ec1ac72e87380a3	Alloc
astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut1.jpg	2009-11-24 13:43:42 ...	2009-11-24 13:44:00 ...	2009-12-10 14:26:04 ...	2009-11-24 13:47:38 ...	722717	Allocated	45eade24b3a89b21fed303310cdbdc54	Alloc
Charlie_2009-12-07_1144_Sent_microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/other/C			29:38 ...	2009-12-10 14:29:37 ...	136274	Allocated	4be2c4abb48c4389ca798e6c21736ea1	Alloc
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charle			26:05 ...	2009-12-04 13:50:23 ...	722717	Allocated	45eade24b3a89b21fed303310cdbdc54	Alloc
microscope.jpg	/img_Charlie_usb.E01/vol_vol2/microscope.j			09:36 ...	2009-11-24 13:40:20 ...	136274	Allocated	689a8ffdb92d0dcc68078e42094da	Alloc
microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	2009-11-24 14:19:21 ...	2009-11-24 14:19:21 ...	2009-11-24 14:19:24 ...	2009-11-24 14:09:13 ...	136274	Allocated	4be2c4abb48c4389ca798e6c21736ea1	Alloc
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Em...	2009-12-04 12:50:26 ...	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	722717	Allocated	45eade24b3a89b21fed303310cdbdc54	Alloc
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Em...	2009-12-04 12:50:26 ...	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	722717	Allocated	45eade24b3a89b21fed303310cdbdc54	Alloc

TREE VIEWER

Views filter all the files in the case by some external property of the file

- **File Type** Sorts files by file extension.
- **Recent Files** Displays files that are accessed within the last seven days the user had the device.
- **Deleted Files** Displays files that have been deleted but the names have been recovered.
- **File Size** Sorts files by size.

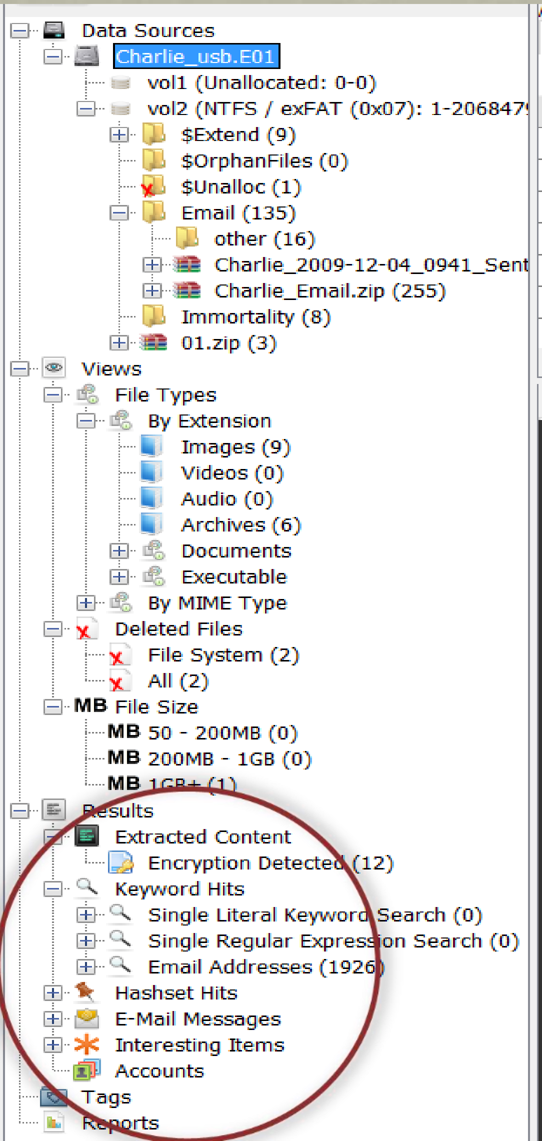


```
Data Sources
    Charlie_usb.E01
        vol1 (Unallocated: 0-0)
        vol2 (NTFS / exFAT (0x07): 1-206847
            $Extend (9)
            $OrphanFiles (0)
            $Unalloc (1)
            Email (135)
                other (16)
                Charlie_2009-12-04_0941_Sent
                Charlie_Email.zip (255)
            Immortality (8)
            01.zip (3)
Views
    File Types
        By Extension
            Images (9)
            Videos (0)
            Audio (0)
            Archives (6)
            Documents
            Executable
        By MIME Type
    Deleted Files
        File System (2)
        All (2)
    MB File Size
        MB 50 - 200MB (0)
        MB 200MB - 1GB (0)
        MB 1GB+ (1)
Results
    Extracted Content
        Encryption Detected (12)
    Keyword Hits
        Single Literal Keyword Search (0)
        Single Regular Expression Search (0)
        Email Addresses (1926)
    Hashset Hits
    E-Mail Messages
    Interesting Items
    Accounts
Tags
Reports
```

TREE VIEWER

RESULTS

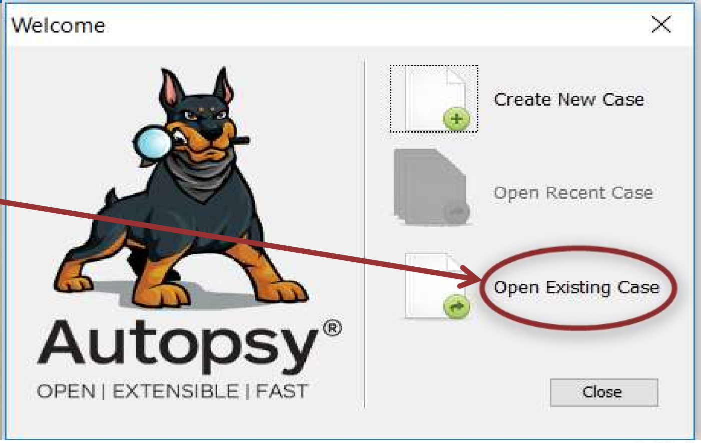
- **Extracted Content:** Many ingest modules will place results here; EXIF data, GPS locations, or Web History for example
- **Keyword Hits:** Keyword search hits show up here
- **Hashset Hits:** Hashset hits show up here
- **E-Mail Messages:** Email messages show up here
- **Interesting Items:** Things deemed interesting show up here
- **Tags:** Any item you tag shows up here so you can find it again easily



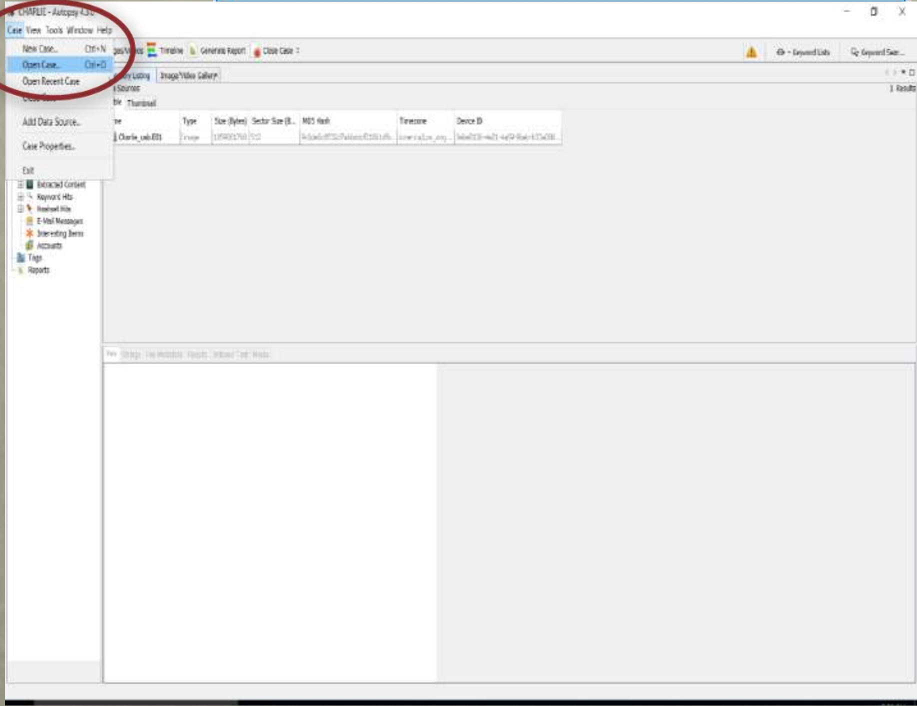
```
Data Sources
  Charlie_usb.E01
    vol1 (Unallocated: 0-0)
    vol2 (NTFS / exFAT (0x07): 1-206847
      $Extend (9)
      $OrphanFiles (0)
      $Unalloc (1)
      Email (135)
        other (16)
        Charlie_2009-12-04_0941_Sent
        Charlie_Email.zip (255)
      Immortality (8)
      01.zip (3)
Views
  File Types
    By Extension
      Images (9)
      Videos (0)
      Audio (0)
      Archives (6)
      Documents
      Executable
    By MIME Type
  Deleted Files
    File System (2)
    All (2)
  MB File Size
    MB 50 - 200MB (0)
    MB 200MB - 1GB (0)
    MB 1GB+ (1)
Results
  Extracted Content
    Encryption Detected (12)
  Keyword Hits
    Single Literal Keyword Search (0)
    Single Regular Expression Search (0)
    Email Addresses (1926)
  Hashset Hits
  E-Mail Messages
  Interesting Items
  Accounts
Tags
Reports
```

OPENING A CASE

- Click "Open Existing Case" or "Open Recent Case" from the opening splash screen.

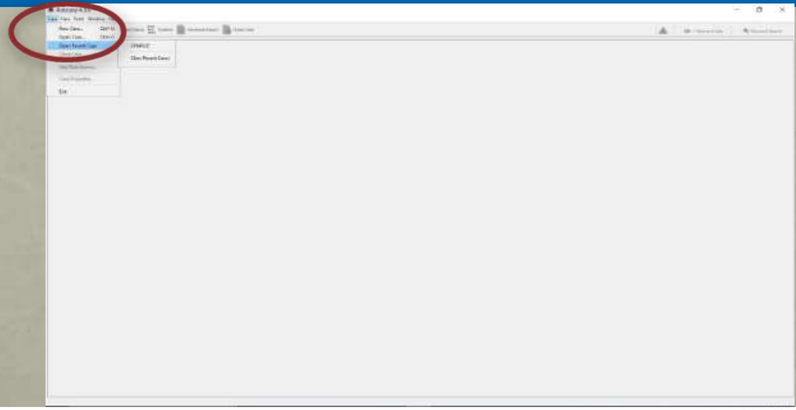


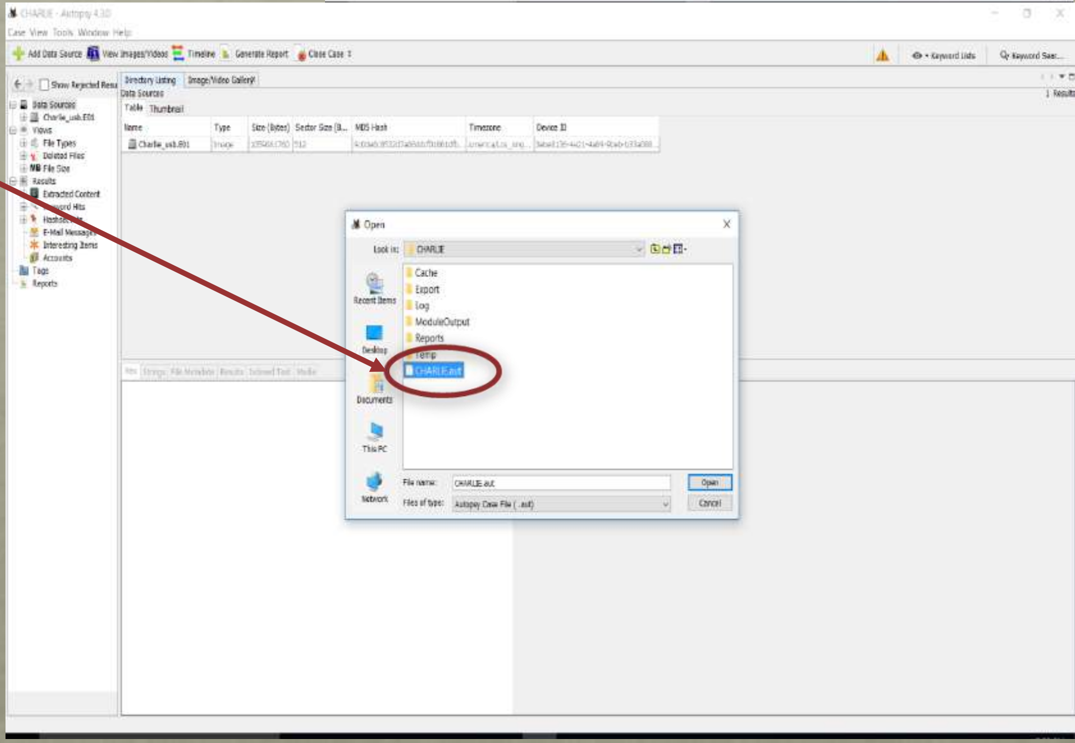
- Choose the “Case", "Open Case" menu item or “Case", "Open Recent Case"



OPENING A CASE (CONT)

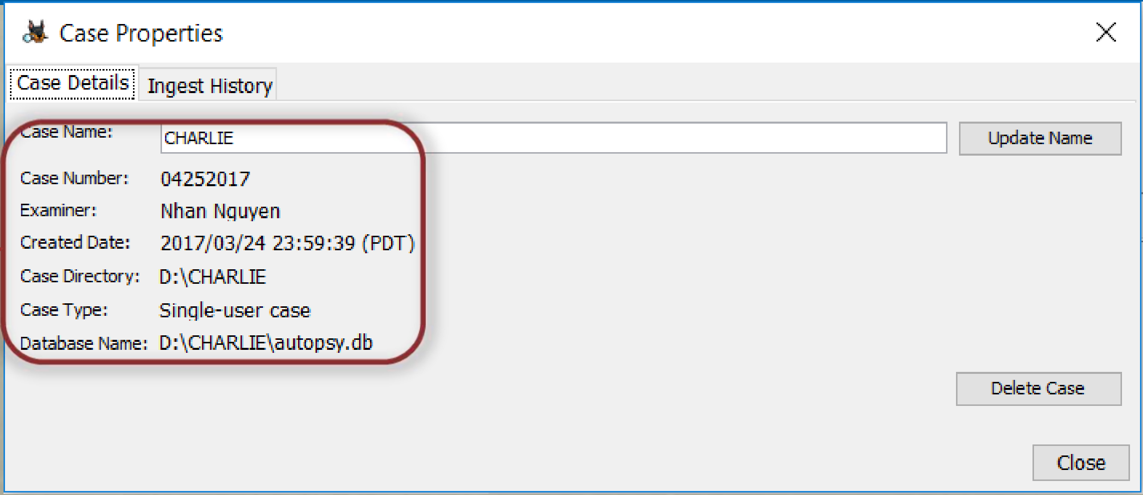
- Navigate to a folder containing the Autopsy case file.



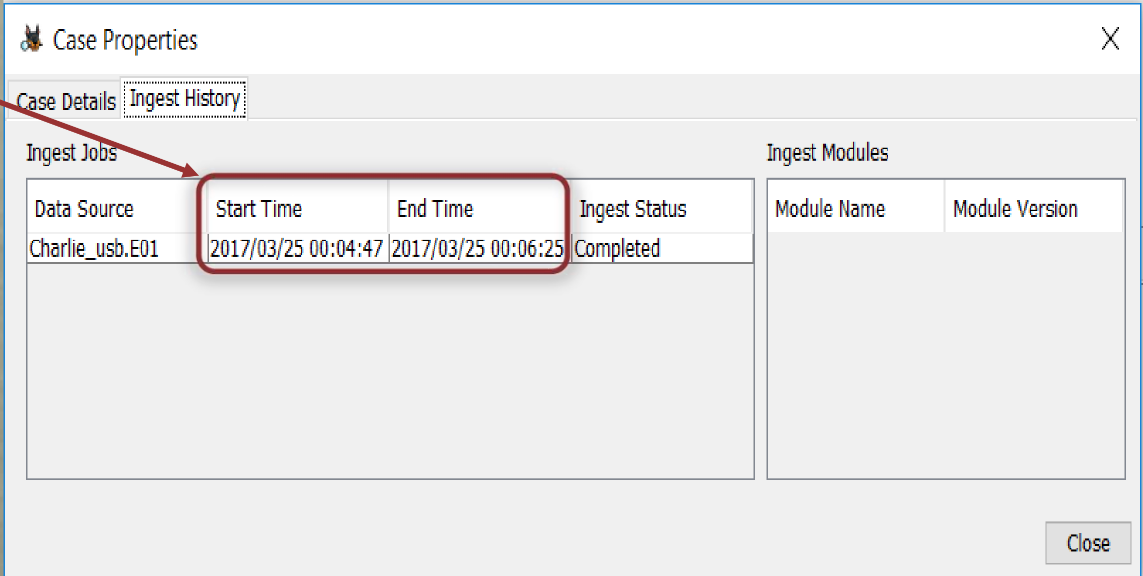


CASE PROPERTIES

- Go to **Case → Case Properties**
- It shows the processing **Start/End time**



Case Name:	CHARLIE
Case Number:	04252017
Examiner:	Nhan Nguyen
Created Date:	2017/03/24 23:59:39 (PDT)
Case Directory:	D:\CHARLIE
Case Type:	Single-user case
Database Name:	D:\CHARLIE\autopsy.db



Ingest Jobs

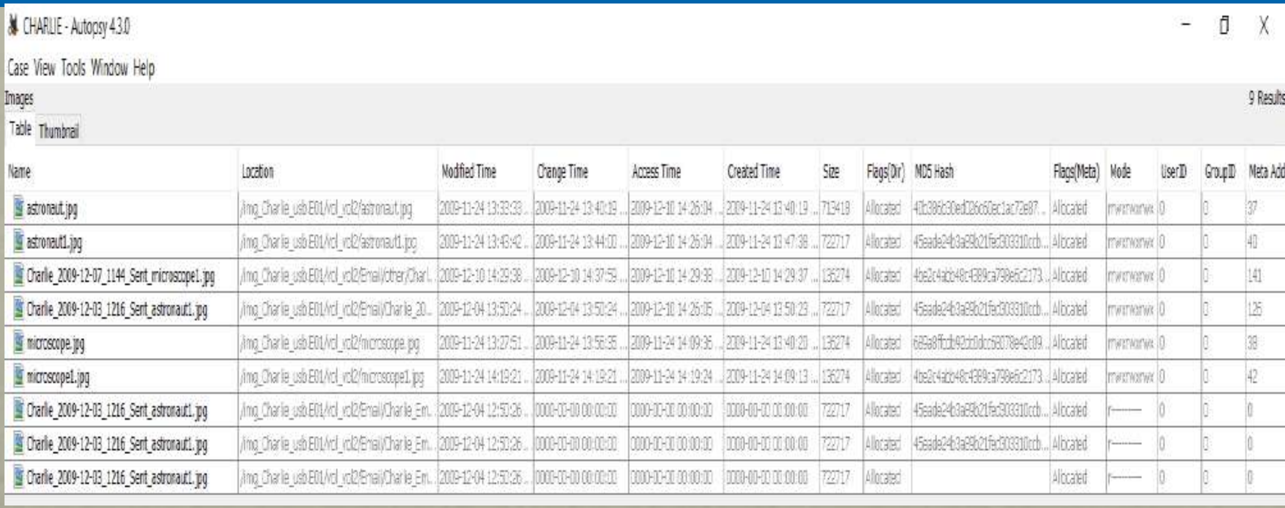
Data Source	Start Time	End Time	Ingest Status
Charlie_usb.E01	2017/03/25 00:04:47	2017/03/25 00:06:25	Completed

Ingest Modules

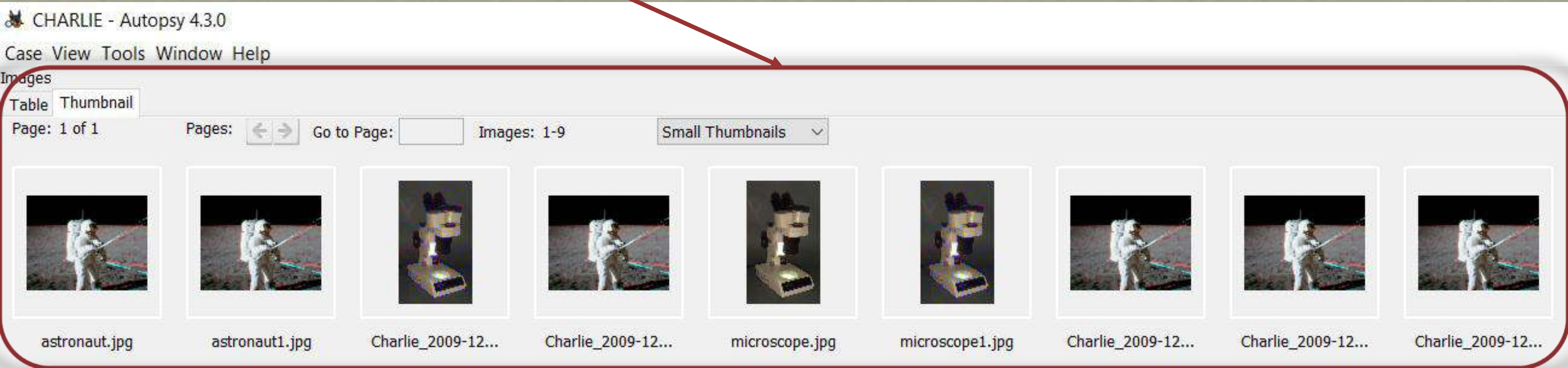
Module Name	Module Version

SHOW SCREEN EDITER

- Go to **View → Show Screen Editor**
- Only shows **Result Viewer**



Name	Location	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	MD5 Hash	Flags(Meta)	Mode	UserID	GroupID	Meta Add
astronaut.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut.jpg	2009-11-24 13:33:33 ...	2009-11-24 13:40:19 ...	2009-12-10 14:26:04 ...	2009-11-24 13:40:19 ...	713418	Allocated	40b386b30ed026c60ec1ac72e87...	Allocated	rwxrwxrwx	0	0	37
astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut1.jpg	2009-11-24 13:43:42 ...	2009-11-24 13:44:00 ...	2009-12-10 14:26:04 ...	2009-11-24 13:47:38 ...	722717	Allocated	45eade24b3a89b21fed303310ccb...	Allocated	rwxrwxrwx	0	0	40
Charlie_2009-12-07_1144_Sent_microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/other/Charl...	2009-12-10 14:29:38 ...	2009-12-10 14:37:59 ...	2009-12-10 14:29:38 ...	2009-12-10 14:29:37 ...	136274	Allocated	4be2c4abb48c4389ca798e6c2173...	Allocated	rwxrwxrwx	0	0	141
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_20...	2009-12-04 13:50:24 ...	2009-12-04 13:50:24 ...	2009-12-10 14:26:05 ...	2009-12-04 13:50:23 ...	722717	Allocated	45eade24b3a89b21fed303310ccb...	Allocated	rwxrwxrwx	0	0	125
microscope.jpg	/img_Charlie_usb.E01/vol_vol2/microscope.jpg	2009-11-24 13:27:51 ...	2009-11-24 13:56:35 ...	2009-11-24 14:09:36 ...	2009-11-24 13:40:20 ...	136274	Allocated	689a8ffcdb92dd0dcc58078e42c09...	Allocated	rwxrwxrwx	0	0	38
microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	2009-11-24 14:19:21 ...	2009-11-24 14:19:21 ...	2009-11-24 14:19:24 ...	2009-11-24 14:09:13 ...	136274	Allocated	4be2c4abb48c4389ca798e6c2173...	Allocated	rwxrwxrwx	0	0	42
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Em...	2009-12-04 12:50:26 ...	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	722717	Allocated	45eade24b3a89b21fed303310ccb...	Allocated	r---------	0	0	0
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Em...	2009-12-04 12:50:26 ...	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	722717	Allocated	45eade24b3a89b21fed303310ccb...	Allocated	r---------	0	0	0
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Em...	2009-12-04 12:50:26 ...	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	722717	Allocated		Allocated	r---------	0	0	0



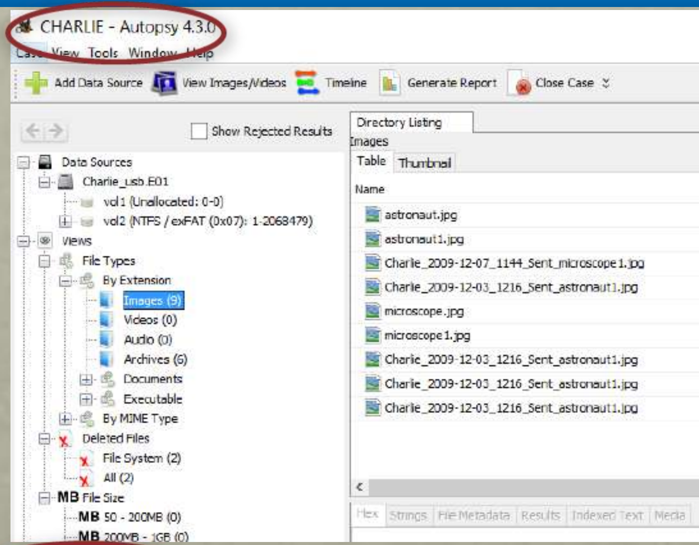
Page: 1 of 1

Images: 1-9

Small Thumbnails

FULL SCREEN

- Go to **View → Full Screen**
- Full screen does not show the case name and version



CHARLIE - Autopsy 4.3.0

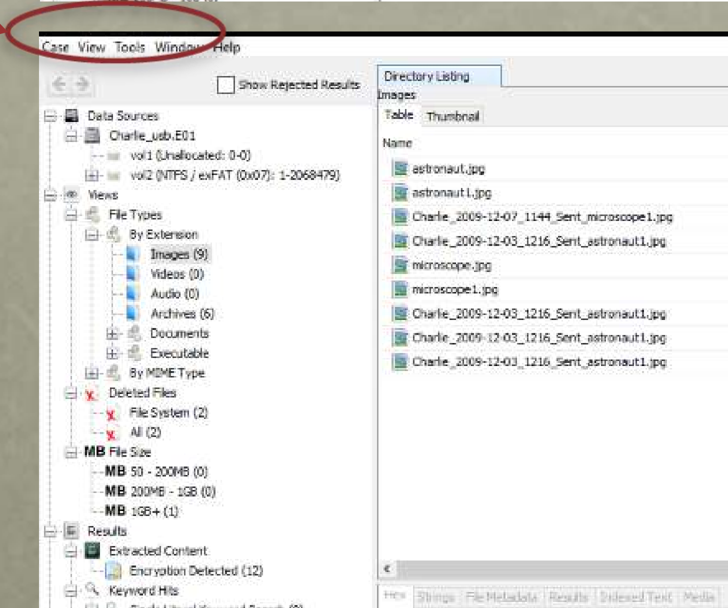
☐ Show Rejected Results

Data Sources
Charlie_usb.E01
vol1 (Unallocated: 0-0)
vol2 (NTFS / exFAT (0x07): 1-2068479)
Views
File Types
By Extension
Images (9)
Videos (0)
Audio (0)
Archives (6)
Documents
Executable
By MIME Type
Deleted Files
File System (2)
All (2)
MB File Size
MB 50 - 200MB (0)
MB 200MB - 1GB (0)

Directory Listing
Images
Table Thumbnail

Name
astronaut.jpg
astronaut1.jpg
Charlie_2009-12-07_1144_Sent_microscope1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
microscope.jpg
microscope1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg

Hex Strings File Metadata Results Indexed Text Media



Case View Tools Window Help

☐ Show Rejected Results

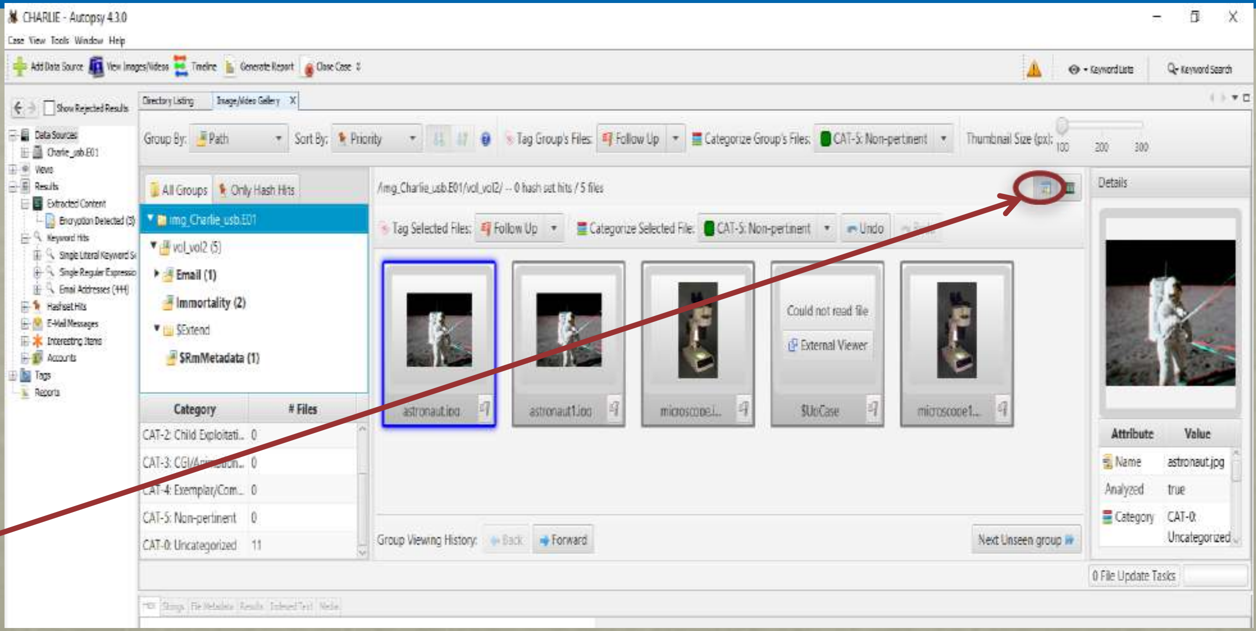
Data Sources
Charlie_usb.E01
vol1 (Unallocated: 0-0)
vol2 (NTFS / exFAT (0x07): 1-2068479)
Views
File Types
By Extension
Images (9)
Videos (0)
Audio (0)
Archives (6)
Documents
Executable
By MIME Type
Deleted Files
File System (2)
All (2)
MB File Size
MB 50 - 200MB (0)
MB 200MB - 1GB (0)
MB 1GB+ (1)
Results
Extracted Content
Encryption Detected (12)
Keyword Hits

Directory Listing
Images
Table Thumbnail

Name
astronaut.jpg
astronaut1.jpg
Charlie_2009-12-07_1144_Sent_microscope1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
microscope.jpg
microscope1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg

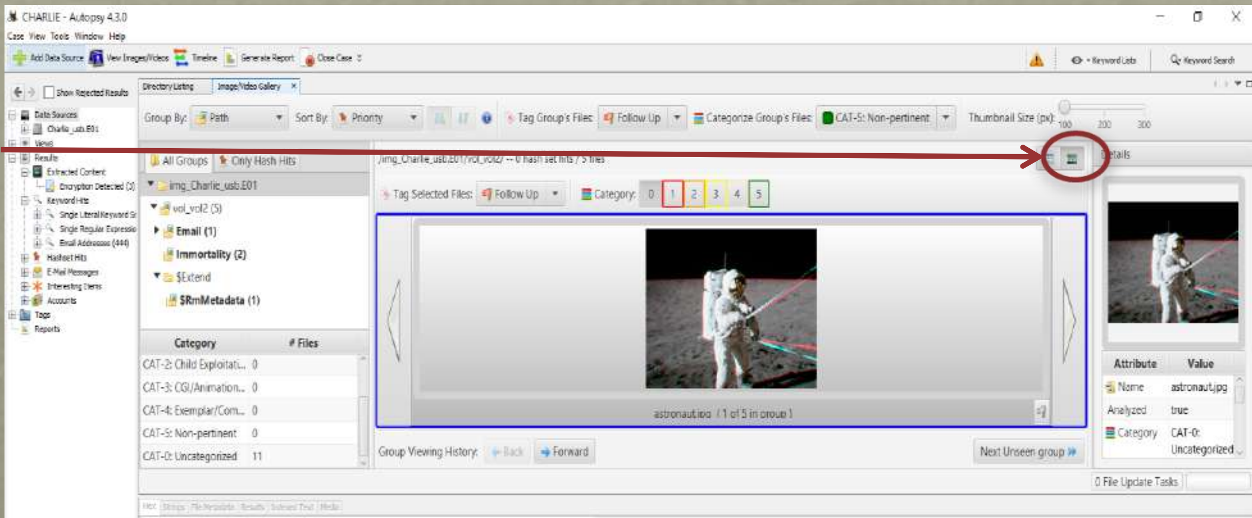
VIEW IMAGES/VIDEOS

- Go to **Tools → View Images/Videos**
- Click **Photo Gallery**
- **Click Filmstrip**



Category	# Files
CAT-2: Child Exploitati...	0
CAT-3: CGI/Animation...	0
CAT-4: Exemplar/Com...	0
CAT-5: Non-pertinent	0
CAT-0: Uncategorized	11

Attribute	Value
Name	astronaut.jpg
Analyzed	true
Category	CAT-0: Uncategorized

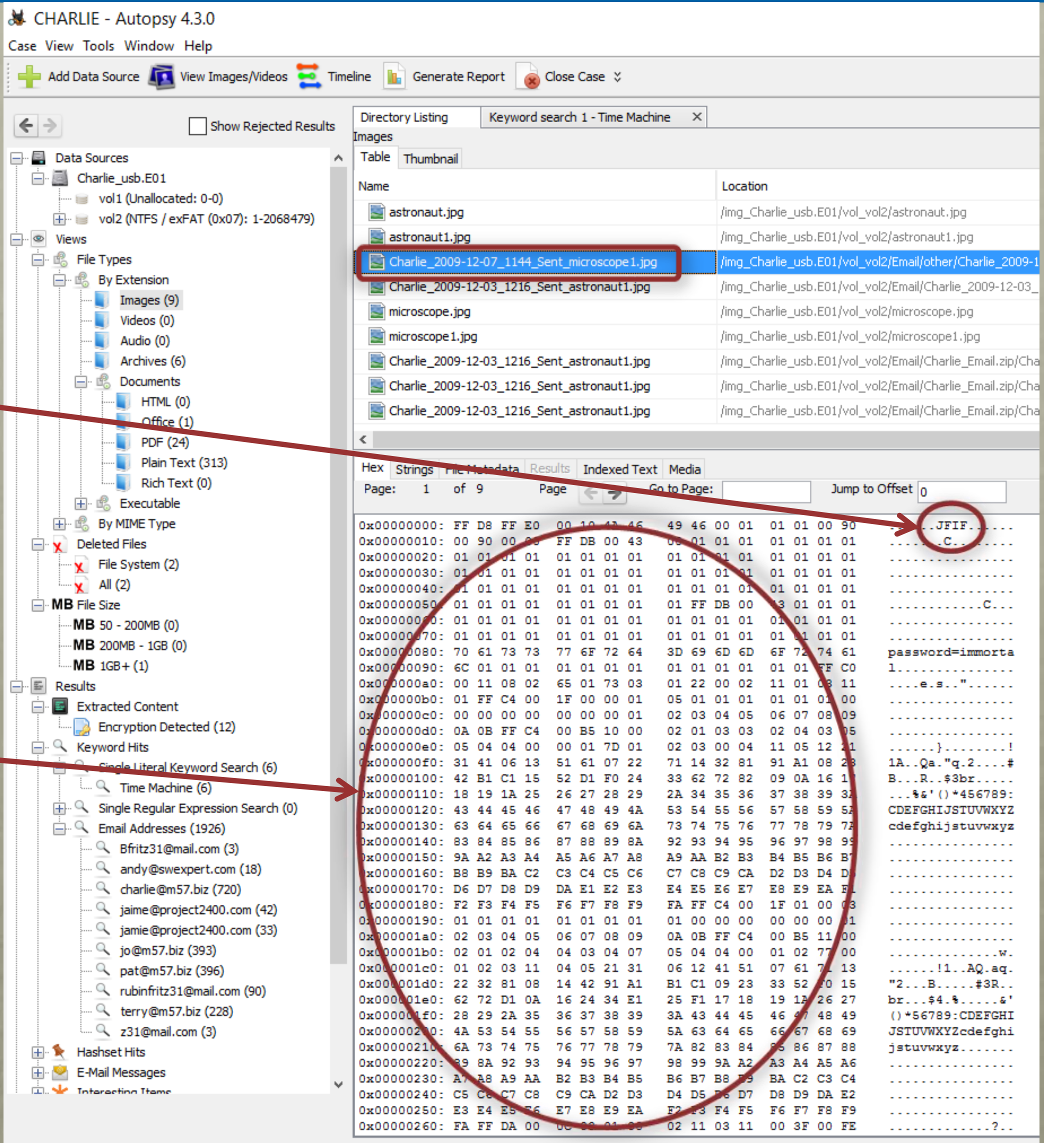


Category	# Files
CAT-2: Child Exploitati...	0
CAT-3: CGI/Animation...	0
CAT-4: Exemplar/Com...	0
CAT-5: Non-pertinent	0
CAT-0: Uncategorized	11

Attribute	Value
Name	astronaut.jpg
Analyzed	true
Category	CAT-0: Uncategorized

VIEW IMAGES/VIDEOS IN HEX VIEW

- The header for the **.JPG** image is **JFIF**
- The **.JPG** image is viewed in HEX view



CHARLIE - Autopsy 4.3.0

Case View Tools Window Help

Add Data Source | View Images/Videos | Timeline | Generate Report | Close Case

□ Show Rejected Results

- Data Sources
  - Charlie_usb.E01
    - vol1 (Unallocated: 0-0)
    - vol2 (NTFS / exFAT (0x07): 1-2068479)
- Views
  - File Types
    - By Extension
      - Images (9)
      - Videos (0)
      - Audio (0)
      - Archives (6)
      - Documents
        - HTML (0)
        - Office (1)
        - PDF (24)
        - Plain Text (313)
        - Rich Text (0)
      - Executable
    - By MIME Type
  - Deleted Files
    - File System (2)
    - All (2)
  - MB File Size
    - MB 50 - 200MB (0)
    - MB 200MB - 1GB (0)
    - MB 1GB+ (1)
- Results
  - Extracted Content
    - Encryption Detected (12)
  - Keyword Hits
    - Single Literal Keyword Search (6)
      - Time Machine (6)
    - Single Regular Expression Search (0)
    - Email Addresses (1926)
      - Bfritz31@mail.com (3)
      - andy@swexpert.com (18)
      - charlie@m57.biz (720)
      - jaime@project2400.com (42)
      - jamie@project2400.com (33)
      - jo@m57.biz (393)
      - pat@m57.biz (396)
      - rubinfritz31@mail.com (90)
      - terry@m57.biz (228)
      - z31@mail.com (3)
  - Hashset Hits
  - E-Mail Messages
  - Interesting Items

Directory Listing | Keyword search 1 - Time Machine

Images

Table | Thumbnail

Name	Location
astronaut.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut.jpg
astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut1.jpg
Charlie_2009-12-07_1144_Sent_microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/other/Charlie_2009-1
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-12-03_
microscope.jpg	/img_Charlie_usb.E01/vol_vol2/microscope.jpg
microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha

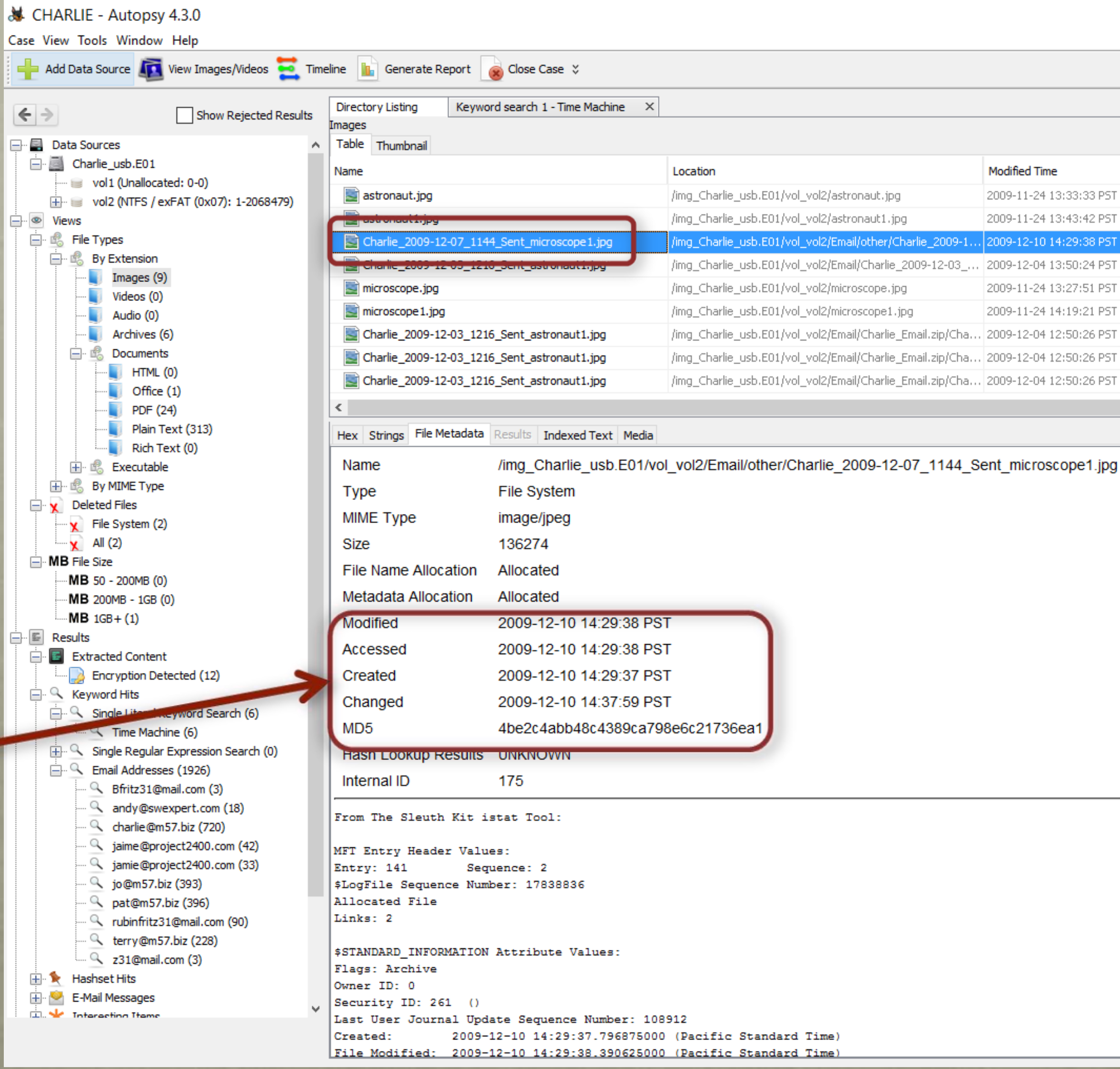
Hex | Strings | File Metadata | Results | Indexed Text | Media

Page: 1 of 9 Page Go to Page: Jump to Offset 0

```
0x00000000: FF D8 FF E0  00 10 4A 46  49 46 00 01  01 01 00 90   ......JFIF......
0x00000010: 00 90 00 00  FF DB 00 43  00 01 01 01  01 01 01 01   .......C........
0x00000020: 01 01 01 01  01 01 01 01  01 01 01 01  01 01 01 01   ................
0x00000030: 01 01 01 01  01 01 01 01  01 01 01 01  01 01 01 01   ................
0x00000040: 01 01 01 01  01 01 01 01  01 01 01 01  01 01 01 01   ................
0x00000050: 01 01 01 01  01 01 01 01  01 FF DB 00  43 01 01 01   ............C...
0x00000060: 01 01 01 01  01 01 01 01  01 01 01 01  01 01 01 01   ................
0x00000070: 01 01 01 01  01 01 01 01  01 01 01 01  01 01 01 01   ................
0x00000080: 70 61 73 73  77 6F 72 64  3D 69 6D 6D  6F 72 74 61   password=immorta
0x00000090: 6C 01 01 01  01 01 01 01  01 01 01 01  01 01 FF C0   l...............
0x000000a0: 00 11 08 02  65 01 73 03  01 22 00 02  11 01 03 11   ....e.s.."......
0x000000b0: 01 FF C4 00  1F 00 00 01  05 01 01 01  01 01 01 00   ................
0x000000c0: 00 00 00 00  00 00 00 01  02 03 04 05  06 07 08 09   ................
0x000000d0: 0A 0B FF C4  00 B5 10 00  02 01 03 03  02 04 03 05   ................
0x000000e0: 05 04 04 00  00 01 7D 01  02 03 00 04  11 05 12 21   ......}........!
0x000000f0: 31 41 06 13  51 61 07 22  71 14 32 81  91 A1 08 23   1A..Qa."q.2....#
0x00000100: 42 B1 C1 15  52 D1 F0 24  33 62 72 82  09 0A 16 17   B...R..$3br.....
0x00000110: 18 19 1A 25  26 27 28 29  2A 34 35 36  37 38 39 3A   ...%&'()*456789:
0x00000120: 43 44 45 46  47 48 49 4A  53 54 55 56  57 58 59 5A   CDEFGHIJSTUVWXYZ
0x00000130: 63 64 65 66  67 68 69 6A  73 74 75 76  77 78 79 7A   cdefghijstuvwxyz
0x00000140: 83 84 85 86  87 88 89 8A  92 93 94 95  96 97 98 99   ................
0x00000150: 9A A2 A3 A4  A5 A6 A7 A8  A9 AA B2 B3  B4 B5 B6 B7   ................
0x00000160: B8 B9 BA C2  C3 C4 C5 C6  C7 C8 C9 CA  D2 D3 D4 D5   ................
0x00000170: D6 D7 D8 D9  DA E1 E2 E3  E4 E5 E6 E7  E8 E9 EA F1   ................
0x00000180: F2 F3 F4 F5  F6 F7 F8 F9  FA FF C4 00  1F 01 00 03   ................
0x00000190: 01 01 01 01  01 01 01 01  01 00 00 00  00 00 00 01   ................
0x000001a0: 02 03 04 05  06 07 08 09  0A 0B FF C4  00 B5 11 00   ................
0x000001b0: 02 01 02 04  04 03 04 07  05 04 04 00  01 02 77 00   ..............w.
0x000001c0: 01 02 03 11  04 05 21 31  06 12 41 51  07 61 71 13   ......!1..AQ.aq.
0x000001d0: 22 32 81 08  14 42 91 A1  B1 C1 09 23  33 52 F0 15   "2...B.....#3R..
0x000001e0: 62 72 D1 0A  16 24 34 E1  25 F1 17 18  19 1A 26 27   br...$4.%.....&'
0x000001f0: 28 29 2A 35  36 37 38 39  3A 43 44 45  46 47 48 49   ()*56789:CDEFGHI
0x00000200: 4A 53 54 55  56 57 58 59  5A 63 64 65  66 67 68 69   JSTUVWXYZcdefghi
0x00000210: 6A 73 74 75  76 77 78 79  7A 82 83 84  85 86 87 88   jstuvwxyz.......
0x00000220: 89 8A 92 93  94 95 96 97  98 99 9A A2  A3 A4 A5 A6   ................
0x00000230: A7 A8 A9 AA  B2 B3 B4 B5  B6 B7 B8 B9  BA C2 C3 C4   ................
0x00000240: C5 C6 C7 C8  C9 CA D2 D3  D4 D5 D6 D7  D8 D9 DA E2   ................
0x00000250: E3 E4 E5 E6  E7 E8 E9 EA  F2 F3 F4 F5  F6 F7 F8 F9   ................
0x00000260: FA FF DA 00  0C 03 01 00  02 11 03 11  00 3F 00 FE   .............?..
```

VIEW IMAGES/VIDEOS IN FILE METADATA VIEW

- The **.JPG** image is viewed in File Metadata view
- The Date/Time and MD5 of this **.JPG** image is shown here



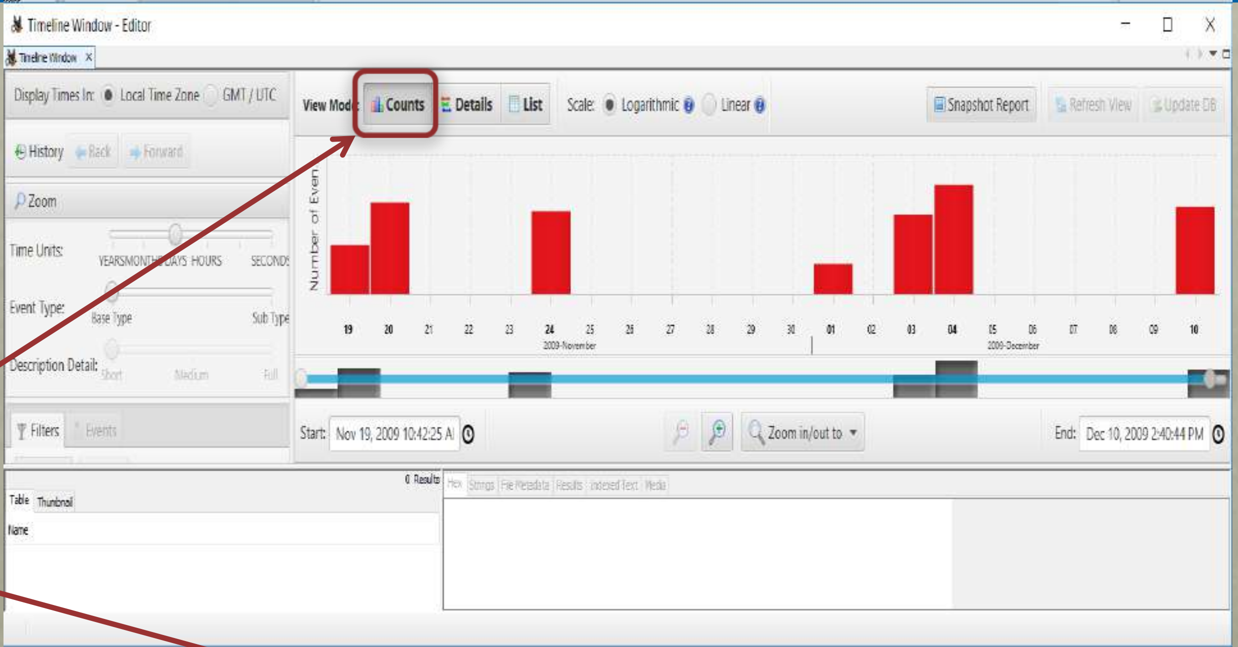
Name	Location	Modified Time
astronaut.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut.jpg	2009-11-24 13:33:33 PST
astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/astronaut1.jpg	2009-11-24 13:43:42 PST
Charlie_2009-12-07_1144_Sent_microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/other/Charlie_2009-1...	2009-12-10 14:29:38 PST
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-12-03_...	2009-12-04 13:50:24 PST
microscope.jpg	/img_Charlie_usb.E01/vol_vol2/microscope.jpg	2009-11-24 13:27:51 PST
microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	2009-11-24 14:19:21 PST
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-04 12:50:26 PST
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-04 12:50:26 PST
Charlie_2009-12-03_1216_Sent_astronaut1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-04 12:50:26 PST

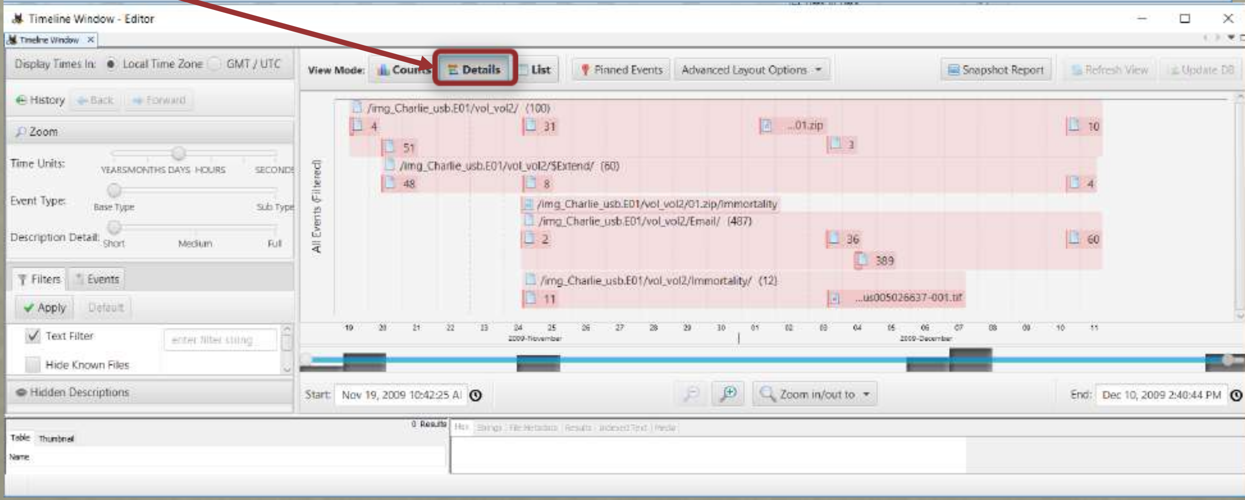
Name	/img_Charlie_usb.E01/vol_vol2/Email/other/Charlie_2009-12-07_1144_Sent_microscope1.jpg
Type	File System
MIME Type	image/jpeg
Size	136274
File Name Allocation	Allocated
Metadata Allocation	Allocated
Modified	2009-12-10 14:29:38 PST
Accessed	2009-12-10 14:29:38 PST
Created	2009-12-10 14:29:37 PST
Changed	2009-12-10 14:37:59 PST
MD5	4be2c4abb48c4389ca798e6c21736ea1
Hash Lookup Results	UNKNOWN
Internal ID	175

```
From The Sleuth Kit istat Tool:

MFT Entry Header Values:
Entry: 141        Sequence: 2
$LogFile Sequence Number: 17838836
Allocated File
Links: 2

$STANDARD_INFORMATION Attribute Values:
Flags: Archive
Owner ID: 0
Security ID: 261  ()
Last User Journal Update Sequence Number: 108912
Created:        2009-12-10 14:29:37.796875000 (Pacific Standard Time)
File Modified:  2009-12-10 14:29:38.390625000 (Pacific Standard Time)
```

TIMELINE

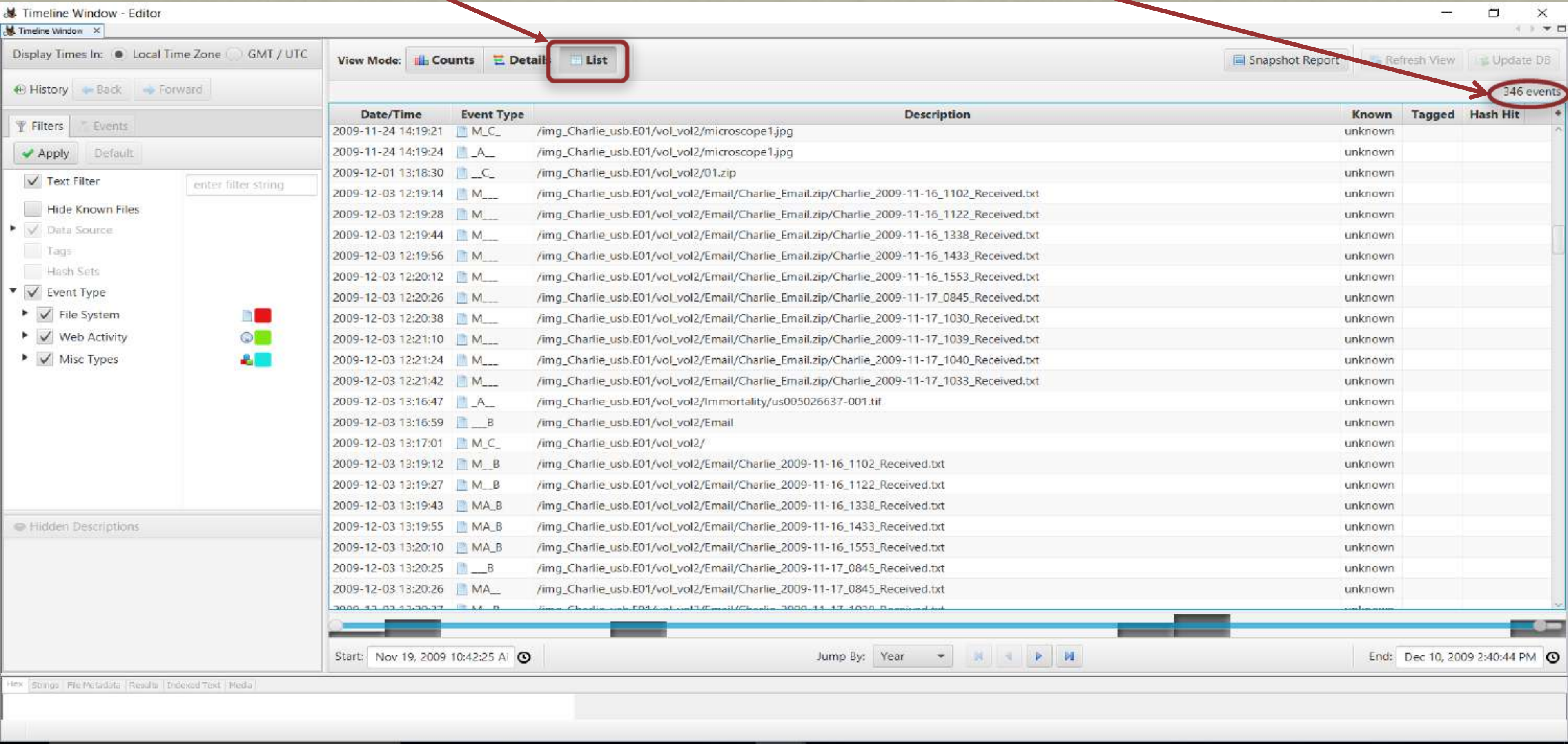
- Go to **Tools → Timline**
- **Counts View**
- **Details View**





TIMELINE (CONT)

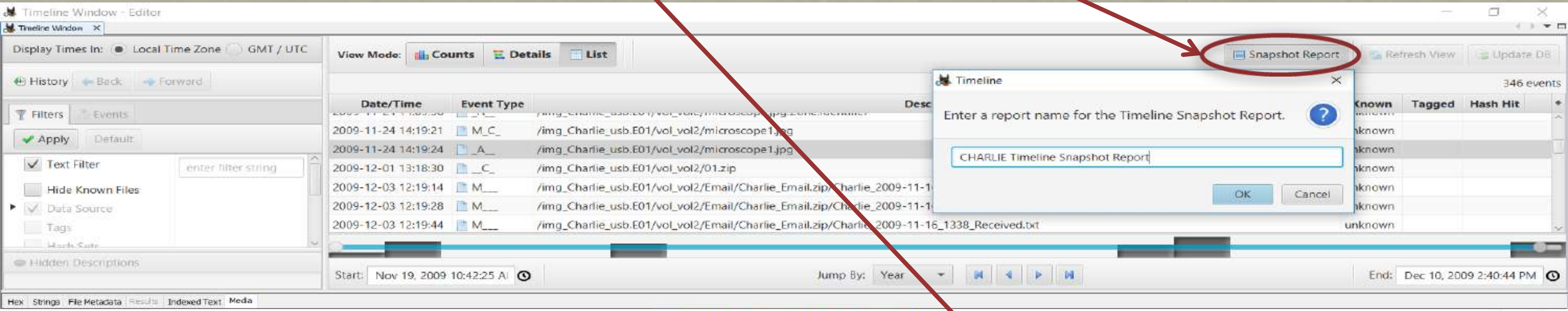
- **List View** shows **346 Events**



Date/Time	Event Type	Description	Known	Tagged	Hash Hit
2009-11-24 14:19:21	M_C_	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	unknown		
2009-11-24 14:19:24	_A__	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	unknown		
2009-12-01 13:18:30	__C_	/img_Charlie_usb.E01/vol_vol2/01.zip	unknown		
2009-12-03 12:19:14	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1102_Received.txt	unknown		
2009-12-03 12:19:28	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1122_Received.txt	unknown		
2009-12-03 12:19:44	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1338_Received.txt	unknown		
2009-12-03 12:19:56	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1433_Received.txt	unknown		
2009-12-03 12:20:12	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1553_Received.txt	unknown		
2009-12-03 12:20:26	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-17_0845_Received.txt	unknown		
2009-12-03 12:20:38	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-17_1030_Received.txt	unknown		
2009-12-03 12:21:10	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-17_1039_Received.txt	unknown		
2009-12-03 12:21:24	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-17_1040_Received.txt	unknown		
2009-12-03 12:21:42	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-17_1033_Received.txt	unknown		
2009-12-03 13:16:47	_A__	/img_Charlie_usb.E01/vol_vol2/Immortality/us005026637-001.tif	unknown		
2009-12-03 13:16:59	___B	/img_Charlie_usb.E01/vol_vol2/Email	unknown		
2009-12-03 13:17:01	M_C_	/img_Charlie_usb.E01/vol_vol2/	unknown		
2009-12-03 13:19:12	M__B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-16_1102_Received.txt	unknown		
2009-12-03 13:19:27	M__B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-16_1122_Received.txt	unknown		
2009-12-03 13:19:43	MA_B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-16_1338_Received.txt	unknown		
2009-12-03 13:19:55	MA_B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-16_1433_Received.txt	unknown		
2009-12-03 13:20:10	MA_B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-16_1553_Received.txt	unknown		
2009-12-03 13:20:25	___B	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-17_0845_Received.txt	unknown		
2009-12-03 13:20:26	MA__	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-17_0845_Received.txt	unknown		

SNAPSHOT REPORT

- Click **Snaphot** button
- Click **Open Report** button to see the Summary



Timeline Window - Editor

Display Times In: ● Local Time Zone ○ GMT / UTC

View Mode: Counts | Details | List

☑ Text Filter enter filter string

□ Hide Known Files

☑ Data Source

Start: Nov 19, 2009 10:42:25 AM

Jump By: Year

End: Dec 10, 2009 2:40:44 PM

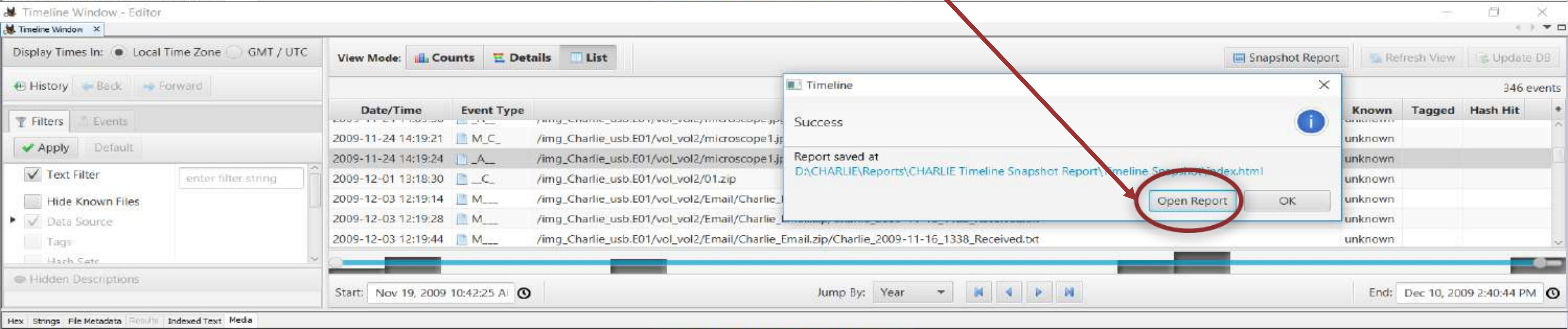
346 events

Date/Time	Event Type	Description	Known
2009-11-24 14:19:21	M_C_	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	unknown
2009-11-24 14:19:24	_A_	/img_Charlie_usb.E01/vol_vol2/microscope1.jpg	unknown
2009-12-01 13:18:30	_C_	/img_Charlie_usb.E01/vol_vol2/01.zip	unknown
2009-12-03 12:19:14	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-1	unknown
2009-12-03 12:19:28	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-1	unknown
2009-12-03 12:19:44	M___	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Charlie_2009-11-16_1338_Received.txt	unknown

Timeline

Enter a report name for the Timeline Snapshot Report.

CHARLIE Timeline Snapshot Report



Timeline Window - Editor

Display Times In: ● Local Time Zone ○ GMT / UTC

☑ Text Filter enter filter string

□ Hide Known Files

Start: Nov 19, 2009 10:42:25 AM

Jump By: Year

End: Dec 10, 2009 2:40:44 PM

346 events

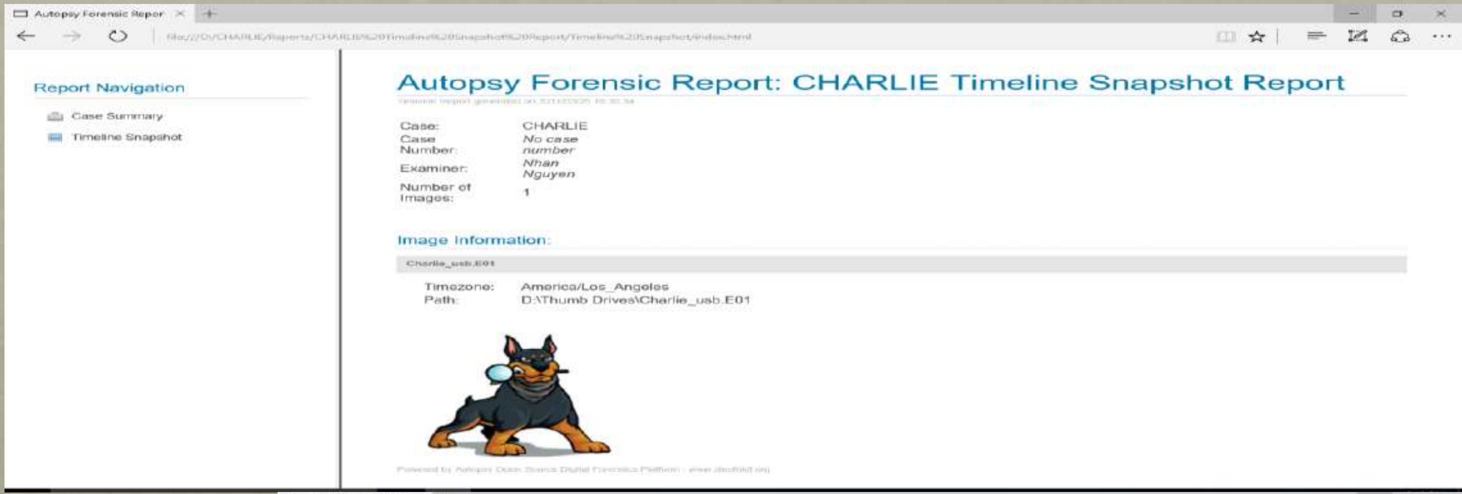
Timeline

Success

Report saved at
D:\CHARLIE\Reports\CHARLIE Timeline Snapshot Report\Timeline Snapshot\index.html

SNAPSHOT REPORT (CONT)

- This is a Timeline Snapshot Report Summary


Autopsy Forensic Repor
file:///D:/CHARLIE/Reports/CHARLIE%20Timeline%20Snapshot%20Report/Timeline%20Snapshot/index.html
Report Navigation
Case Summary
Timeline Snapshot

Autopsy Forensic Report: CHARLIE Timeline Snapshot Report

Case:	CHARLIE
Case Number:	*No case number*
Examiner:	*Nhan Nguyen*
Number of Images:	1

Image Information:

Charlie_usb.E01

Timezone:	America/Los_Angeles
Path:	D:\Thumb Drives\Charlie_usb.E01

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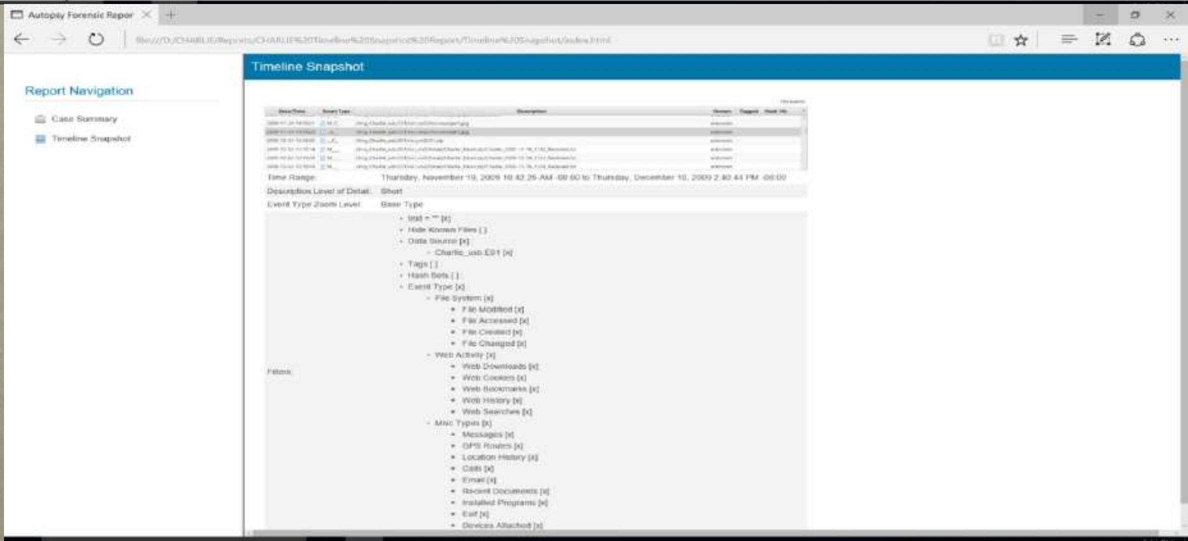
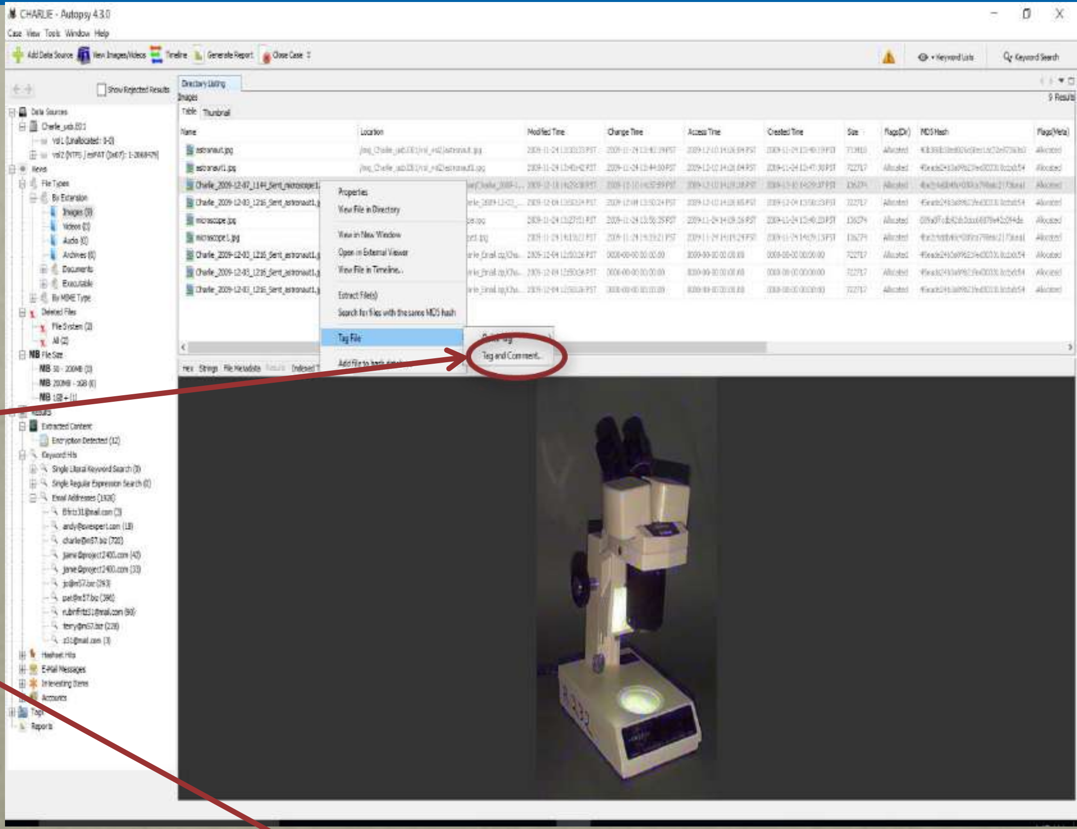

Autopsy Forensic Repor
file:///D:/CHARLIE/Reports/CHARLIE%20Timeline%20Snapshot%20Report/Timeline%20Snapshot/index.html
Report Navigation
Case Summary
Timeline Snapshot

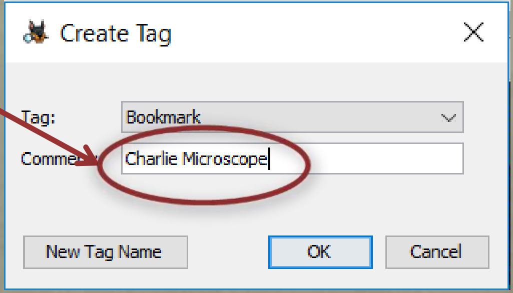
Timeline Snapshot

Time Range:	Thursday, November 19, 2009 10:42:26 AM -08:00 to Thursday, December 10, 2009 2:40:44 PM -08:00
Description Level of Detail:	Short
Event Type Zoom Level:	Base Type
Filters	- text = "" [x] - Hide Known Files [ ] - Data Source [x] - Charlie_usb.E01 [x] - Tags [ ] - Hash Sets [ ] - Event Type [x] - File System [x] - File Modified [x] - File Accessed [x] - File Created [x] - File Changed [x] - Web Activity [x] - Web Downloads [x] - Web Cookies [x] - Web Bookmarks [x] - Web History [x] - Web Searches [x] - Misc Types [x] - Messages [x] - GPS Routes [x] - Location History [x] - Calls [x] - Email [x] - Recent Documents [x] - Installed Programs [x] - Exif [x] - Devices Attached [x]

MANUAL ANALYSIS

- **Bookmark Relevant Files**
- **Right Click** on the file the go to **Tag File → Tag and Comment**
- Name the Bookmark file is **Charlie Microscope**



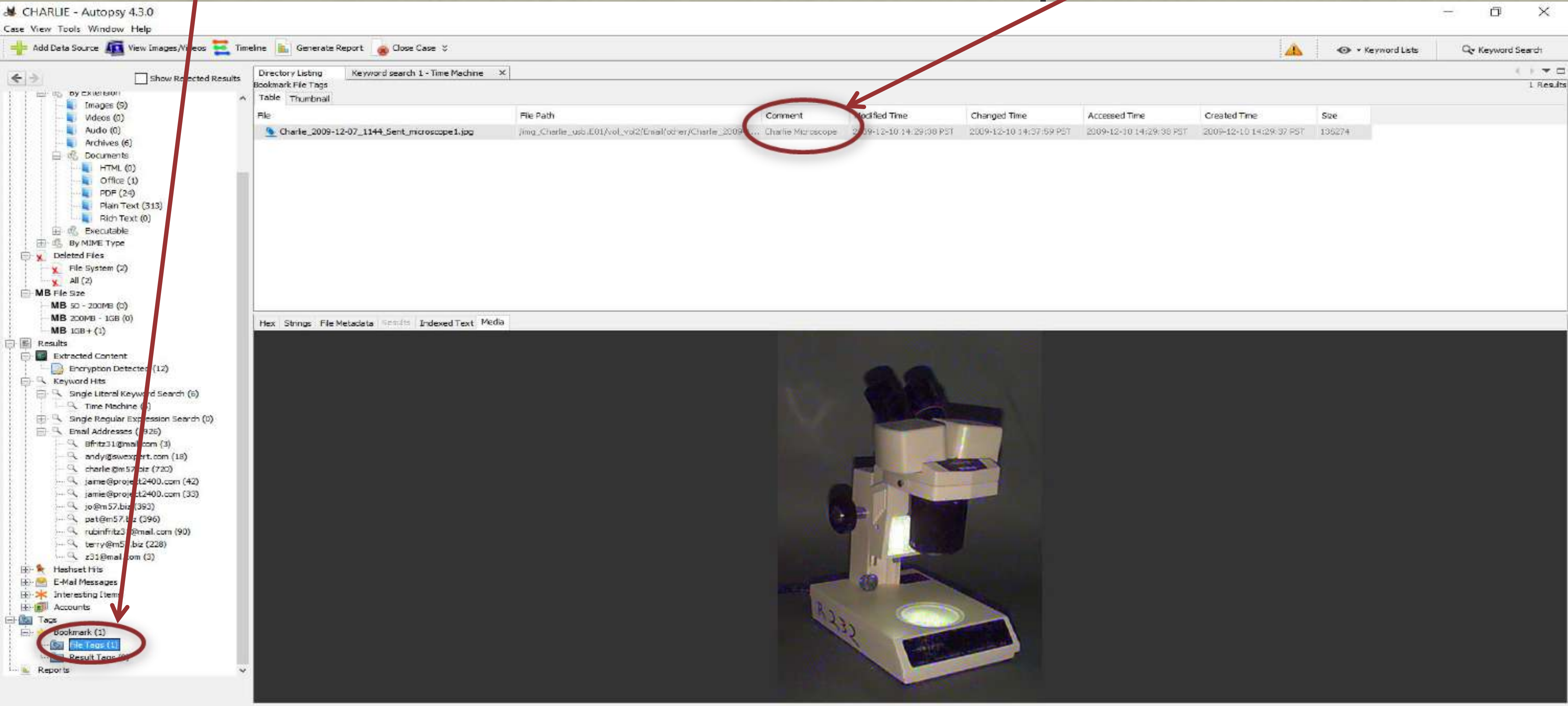

Create Tag

Tag: Bookmark

Comment: Charlie Microscope

MANUAL ANALYSIS (CONT)

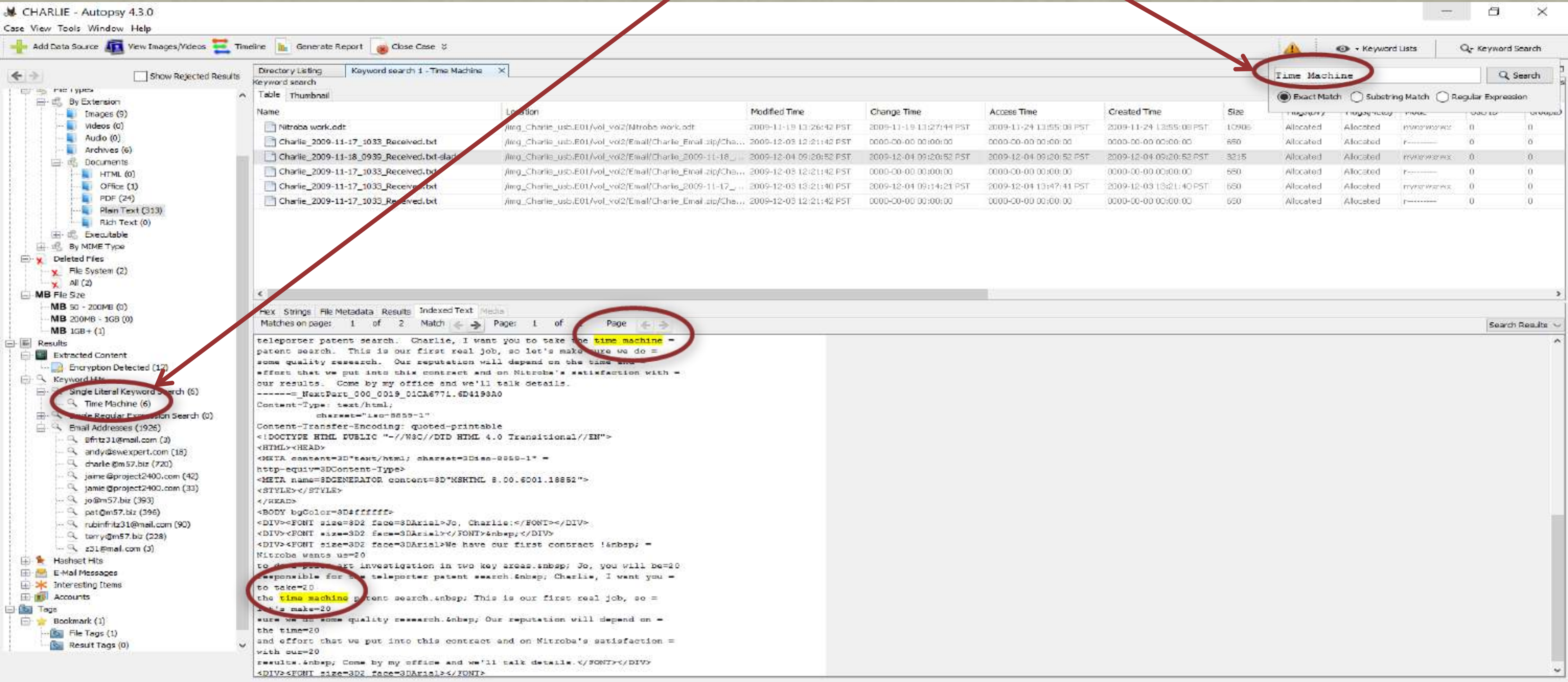
- The **Tag** in the **Tree Viewer** now has one item
- Name the Bookmark file is **Charlie Microscope**



File	File Path	Comment	Modified Time	Changed Time	Accessed Time	Created Time	Size
Charlie_2009-12-07_1144_Sent_microscope1.jpg	/img_Charlie_usb.E01/vol_vol2/Email/other/Charlie_2009-...	Charlie Microscope	2009-12-10 14:29:38 PST	2009-12-10 14:37:59 PST	2009-12-10 14:29:38 PST	2009-12-10 14:29:37 PST	136274

MANUAL ANALYSIS (CONT)

- Keyword search for “Time Machine”
- There are a total of 6 hits



Time Machine Search

● Exact Match ○ Substring Match ○ Regular Expression

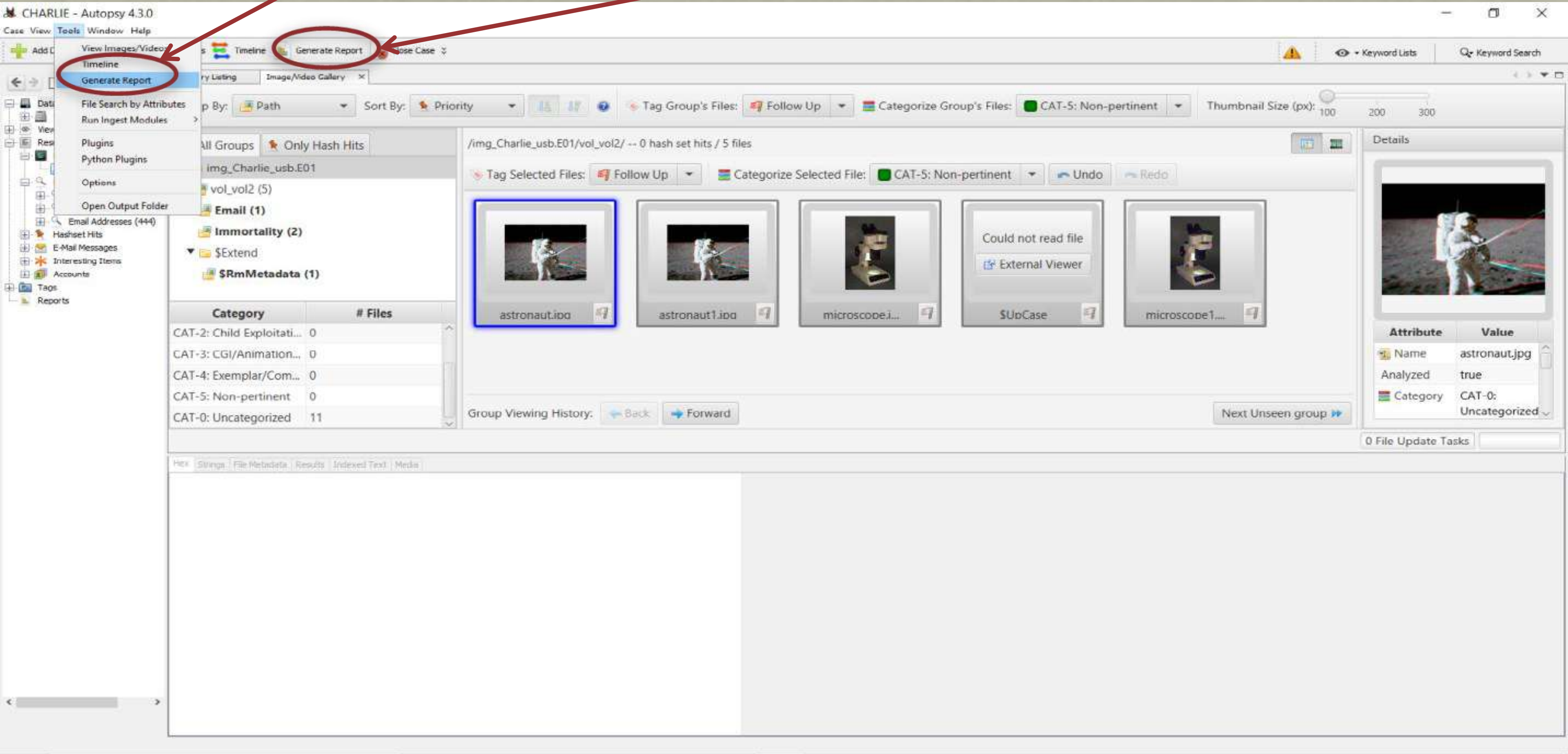
Name	Location	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags(Meta)	Mode	User ID	Group ID
Nitroba work.odt	/img_Charlie_usb.E01/vol_vol2/Nitroba work.odt	2009-11-19 13:26:42 PST	2009-11-19 13:27:44 PST	2009-11-24 13:55:08 PST	2009-11-24 13:55:08 PST	10906	Allocated	Allocated	rwxrwxrwx	0	0
Charlie_2009-11-17_1033_Received.txt	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-03 12:21:42 PST	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	650	Allocated	Allocated	r---------	0	0
Charlie_2009-11-18_0939_Received.txt-slack	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-18_...	2009-12-04 09:20:52 PST	2009-12-04 09:20:52 PST	2009-12-04 09:20:52 PST	2009-12-04 09:20:52 PST	3215	Allocated	Allocated	rwxrwxrwx	0	0
Charlie_2009-11-17_1033_Received.txt	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-03 12:21:42 PST	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	650	Allocated	Allocated	r---------	0	0
Charlie_2009-11-17_1033_Received.txt	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_2009-11-17_...	2009-12-03 13:21:40 PST	2009-12-04 09:14:21 PST	2009-12-04 13:47:41 PST	2009-12-03 13:21:40 PST	650	Allocated	Allocated	rwxrwxrwx	0	0
Charlie_2009-11-17_1033_Received.txt	/img_Charlie_usb.E01/vol_vol2/Email/Charlie_Email.zip/Cha...	2009-12-03 12:21:42 PST	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	650	Allocated	Allocated	r---------	0	0

Matches on page: 1 of 2 Match   Page: 1 of 1 Page

```
teleporter patent search.  Charlie, I want you to take the time machine =
patent search.  This is our first real job, so let's make sure we do =
some quality research.  Our reputation will depend on the time and =
effort that we put into this contract and on Nitroba's satisfaction with =
our results.  Come by my office and we'll talk details.
------=_NextPart_000_0019_01CA6771.6D4193A0
Content-Type: text/html;
          charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META content=3D"text/html; charset=3Diso-8859-1" =
http-equiv=3DContent-Type>
<META name=3DGENERATOR content=3D"MSHTML 8.00.6001.18852">
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT size=3D2 face=3DArial>Jo, Charlie:</FONT></DIV>
<DIV><FONT size=3D2 face=3DArial></FONT>&nbsp;</DIV>
<DIV><FONT size=3D2 face=3DArial>We have our first contract !&nbsp; =
Nitroba wants us=20
to do a patent investigation in two key areas.&nbsp; Jo, you will be=20
responsible for the teleporter patent search.&nbsp; Charlie, I want you =
to take=20
the time machine patent search.&nbsp; This is our first real job, so =
let's make=20
sure we do some quality research.&nbsp; Our reputation will depend on =
the time=20
and effort that we put into this contract and on Nitroba's satisfaction =
with our=20
results.&nbsp; Come by my office and we'll talk details.</FONT></DIV>
<DIV><FONT size=3D2 face=3DArial></FONT>
```

REPORT GENERATION

- Go to **Tools → Generate Report** or Click **Generate Report** Button

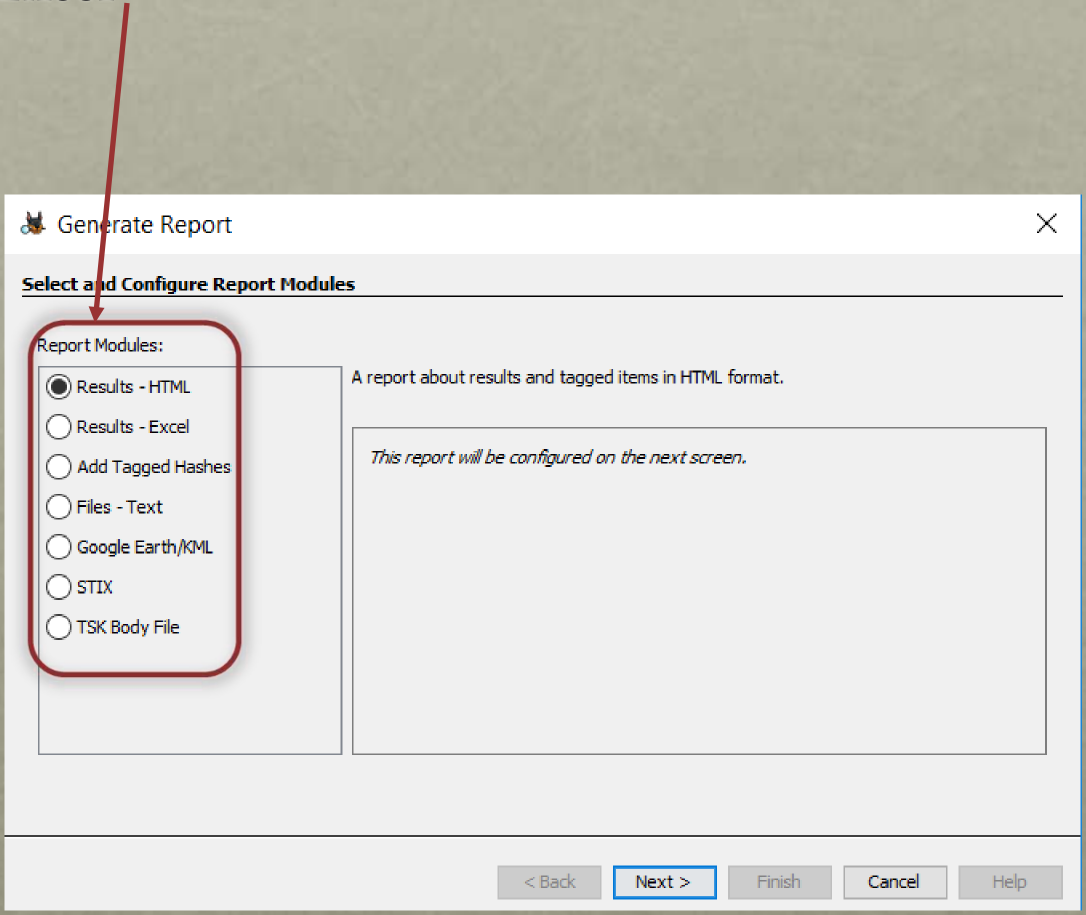


Category	# Files
CAT-2: Child Exploitati...	0
CAT-3: CGI/Animation...	0
CAT-4: Exemplar/Com...	0
CAT-5: Non-pertinent	0
CAT-0: Uncategorized	11

Attribute	Value
Name	astronaut.jpg
Analyzed	true
Category	CAT-0: Uncategorized

REPORT GENERATION (CONT)

- There are 6 Report Modules to choose from, but the most common are **HTML** and **Excel**



Generate Report

Select and Configure Report Modules

Report Modules:

● Results - HTML

○ Results - Excel

○ Add Tagged Hashes

○ Files - Text

○ Google Earth/KML

○ STIX

○ TSK Body File

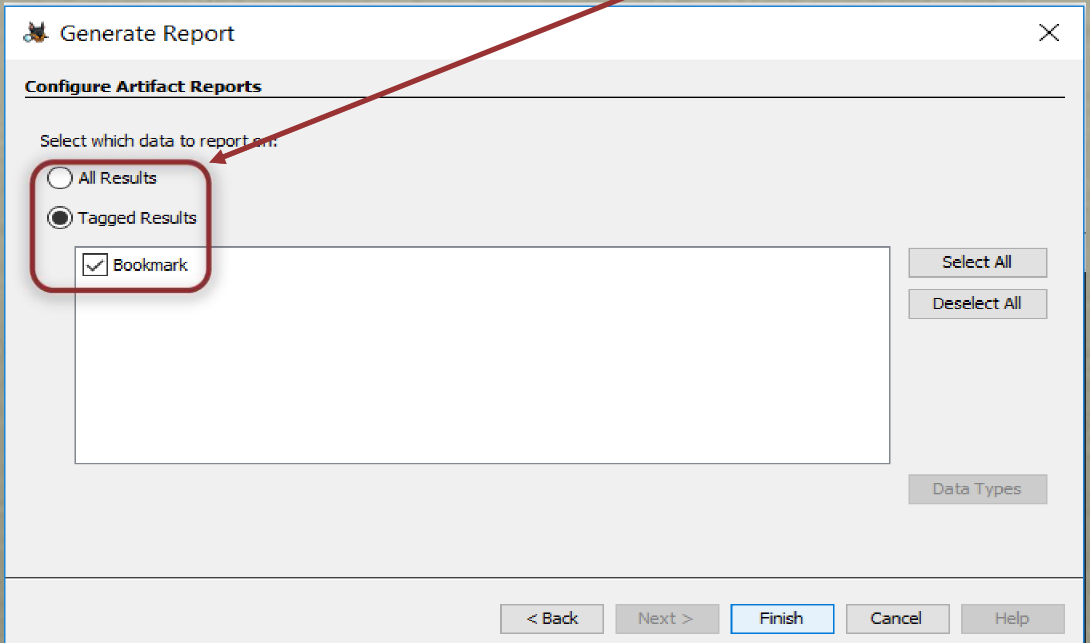
A report about results and tagged items in HTML format.

This report will be configured on the next screen.

REPORT GENERATION (CONT)

There are 2 options to choose include in the Report

1. **All Results**
2. **Tagged Results**



Generate Report

Configure Artifact Reports

Select which data to report on:

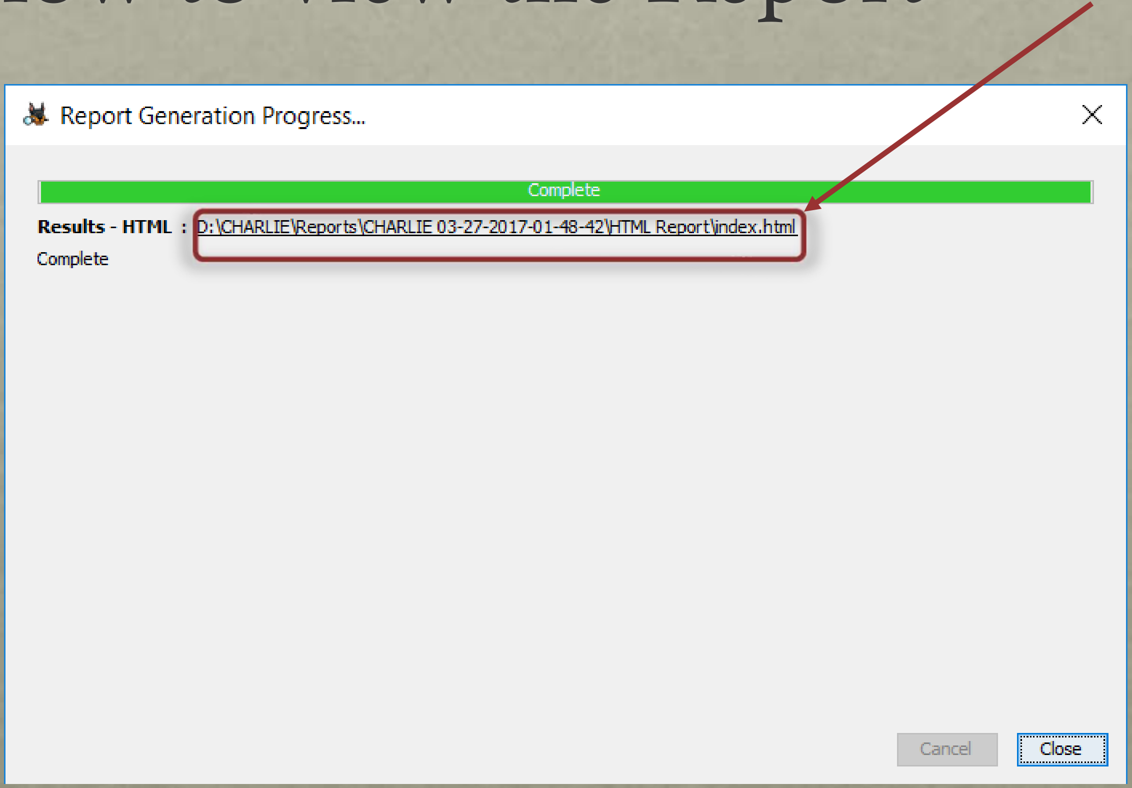
○ All Results

● Tagged Results

☑ Bookmark

REPORT GENERATION (CONT)

- After the Report is generated, click on the link below to view the Report



Report Generation Progress...

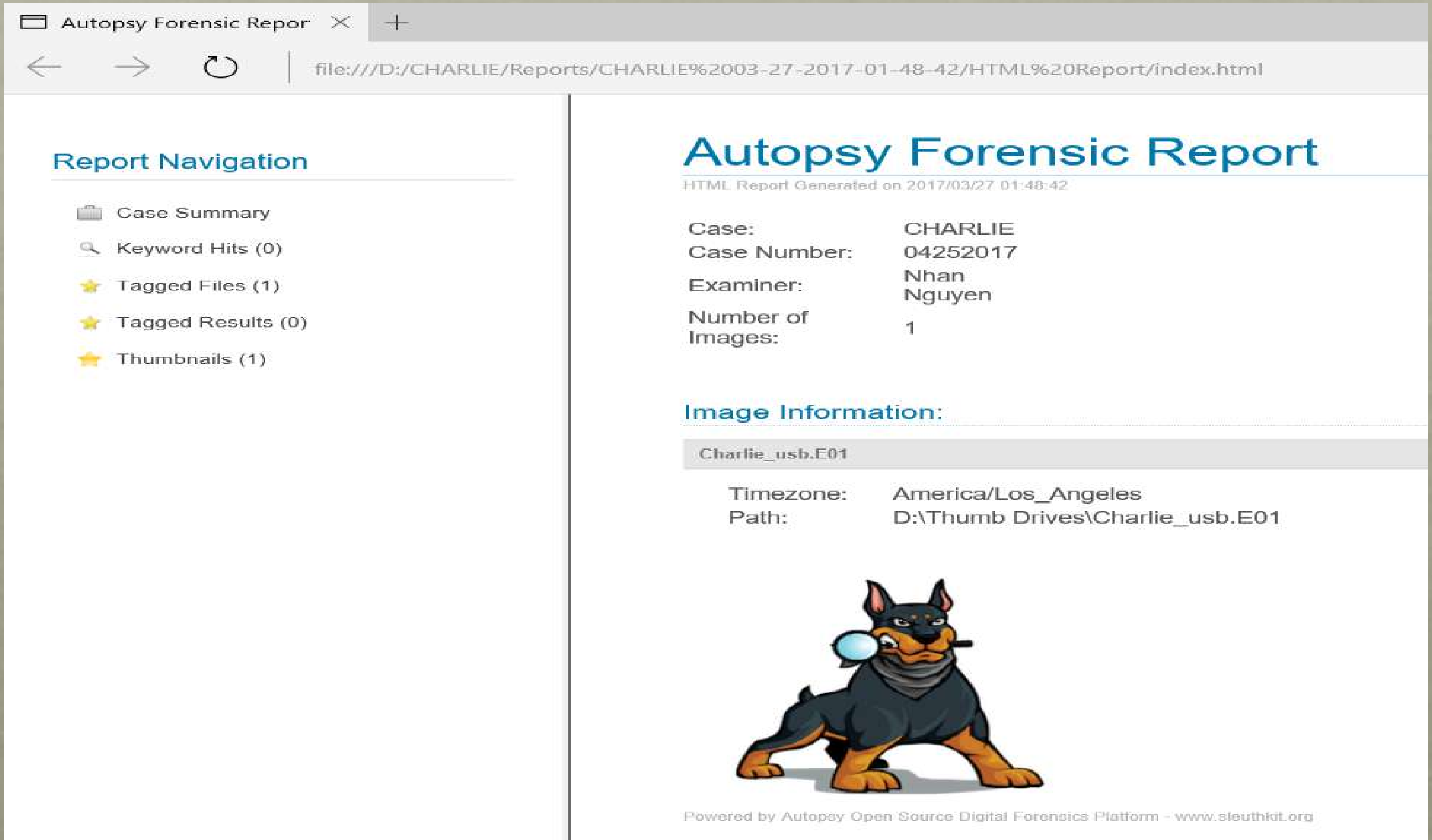
Complete

Results - HTML : D:\CHARLIE\Reports\CHARLIE 03-27-2017-01-48-42\HTML Report\index.html

Complete

REPORT GENERATION (CONT)

- This is a Autopsy Forensic Report



Autopsy Forensic Repor
file:///D:/CHARLIE/Reports/CHARLIE%2003-27-2017-01-48-42/HTML%20Report/index.html

Report Navigation

- Case Summary
- Keyword Hits (0)
- Tagged Files (1)
- Tagged Results (0)
- Thumbnails (1)

Autopsy Forensic Report

HTML Report Generated on 2017/03/27 01:48:42

Case:	CHARLIE
Case Number:	04252017
Examiner:	Nhan Nguyen
Number of Images:	1

Image Information:

Charlie_usb.E01

Timezone:	America/Los_Angeles
Path:	D:\Thumb Drives\Charlie_usb.E01

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Questions?