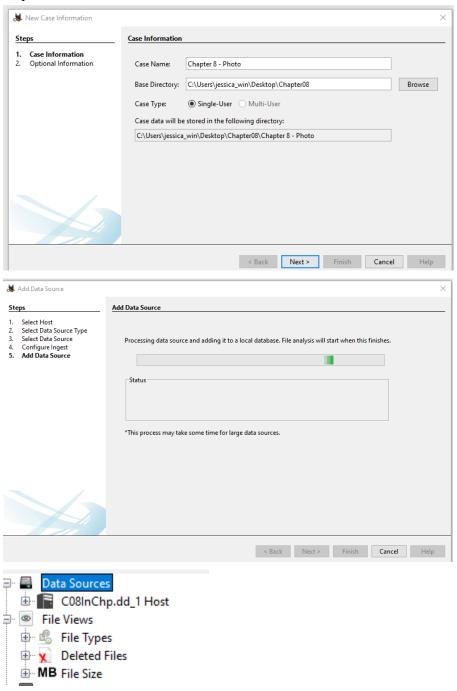
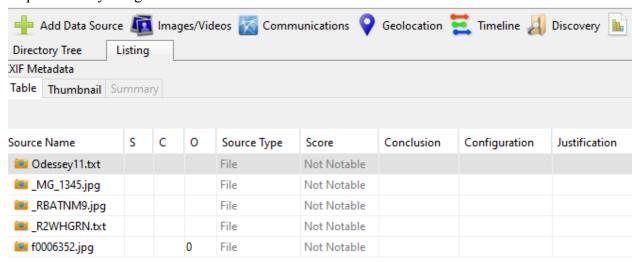
Task 1: Recover Digital Photo Evidence

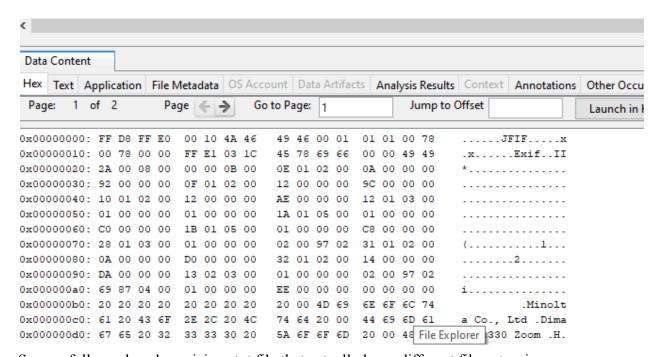
Step 1: Create Case



Successfully added the data source and loaded it onto Autopsy.

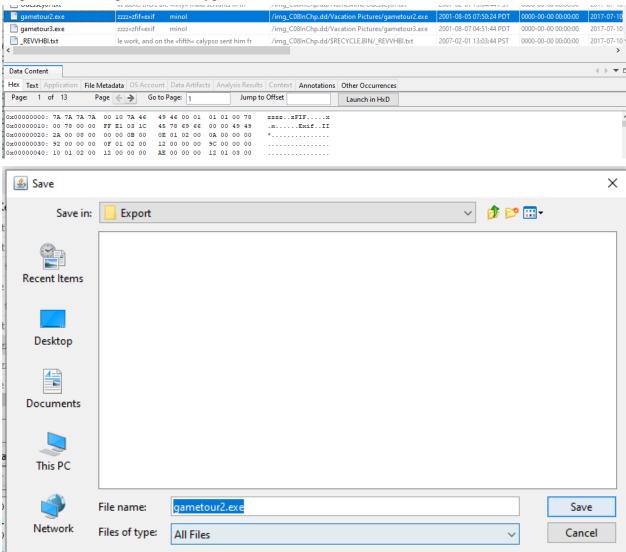
Step 2: Identify Image Files





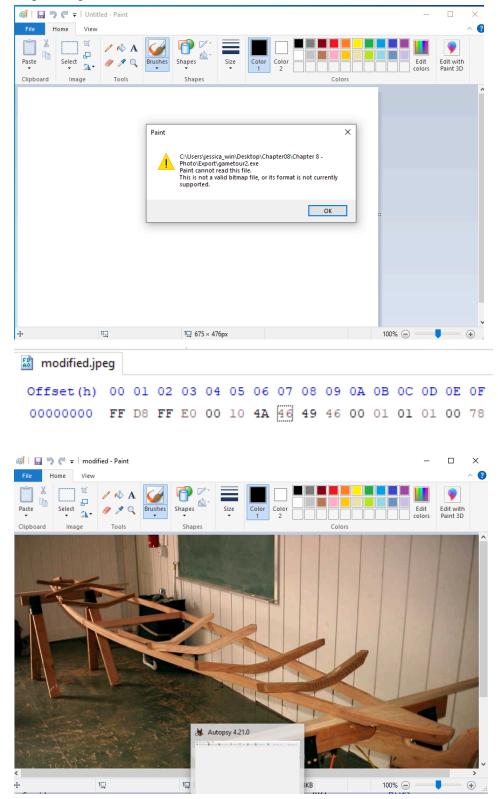
Successfully analyzed suspicious txt file that actually has a different file extension.

Step 3: Find Manipulated File Types



Successfully found more suspicious files and extracted them into the export folder of the case.

Step 4: Repair File Header



Successfully repaired header of partially lost file and viewed image.

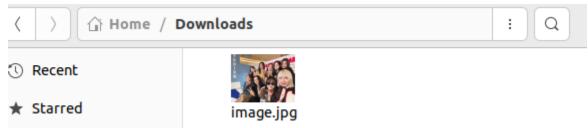
Task 2: Hide a Message

Step 1: Install Steghide

```
jessica@ubuntu:~$ sudo apt install steghide -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
   libmcrypt4
Suggested packages:
   libmcrypt-dev mcrypt
The following NEW packages will be installed:
   libmcrypt4 steghide
0 upgraded, 2 newly installed, 0 to remove and 277 not upgraded.
```

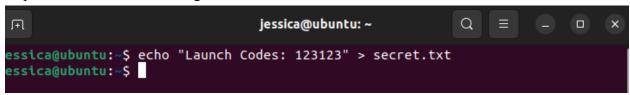
Successfully installed Steghide.

Step 2: Obtain a JPG



Downloaded an image from the internet.

Step 3: Create a Secret Message



Created a secret message and piped it into a txt file.

Step 4: Hide the Message

```
jessica@ubuntu:~$ steghide embed -ef secret.txt -cf ~/Downloads/image.jpg
Enter passphrase:
Re-Enter passphrase:
embedding "secret.txt" in "/home/jessica/Downloads/image.jpg"... done
jessica@ubuntu:~$
```



Hid the message in the jpg image.

Step 5: Extract the Secret

```
jessica@ubuntu:~/Downloads$ steghide extract -sf image.jpg
Enter passphrase:
the file "secret.txt" does already exist. overwrite ? (y/n) y
wrote extracted data to "secret.txt".
jessica@ubuntu:~/Downloads$ cat secret.txt
Launch Codes: 123123
jessica@ubuntu:~/Downloads$
```

Successfully extracted secret message from image file.