

# Digital Forensics Lab

## Lab 10

### Autopsy

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**Submitted from:**

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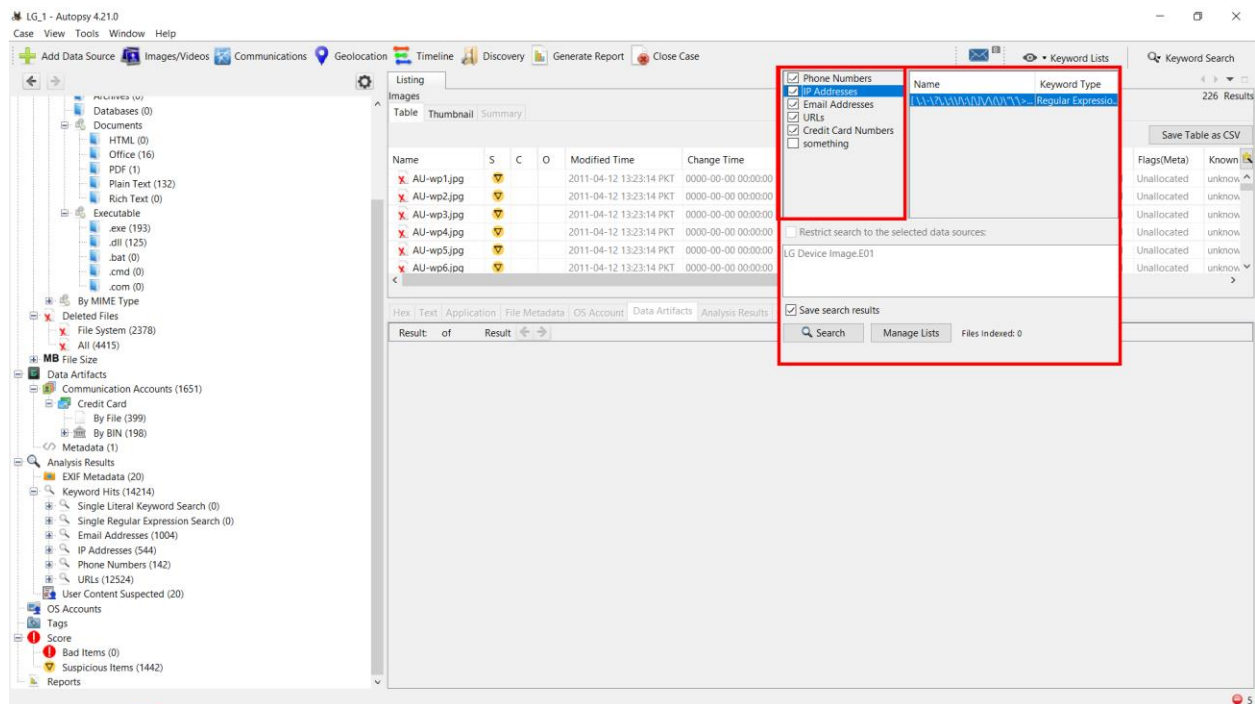
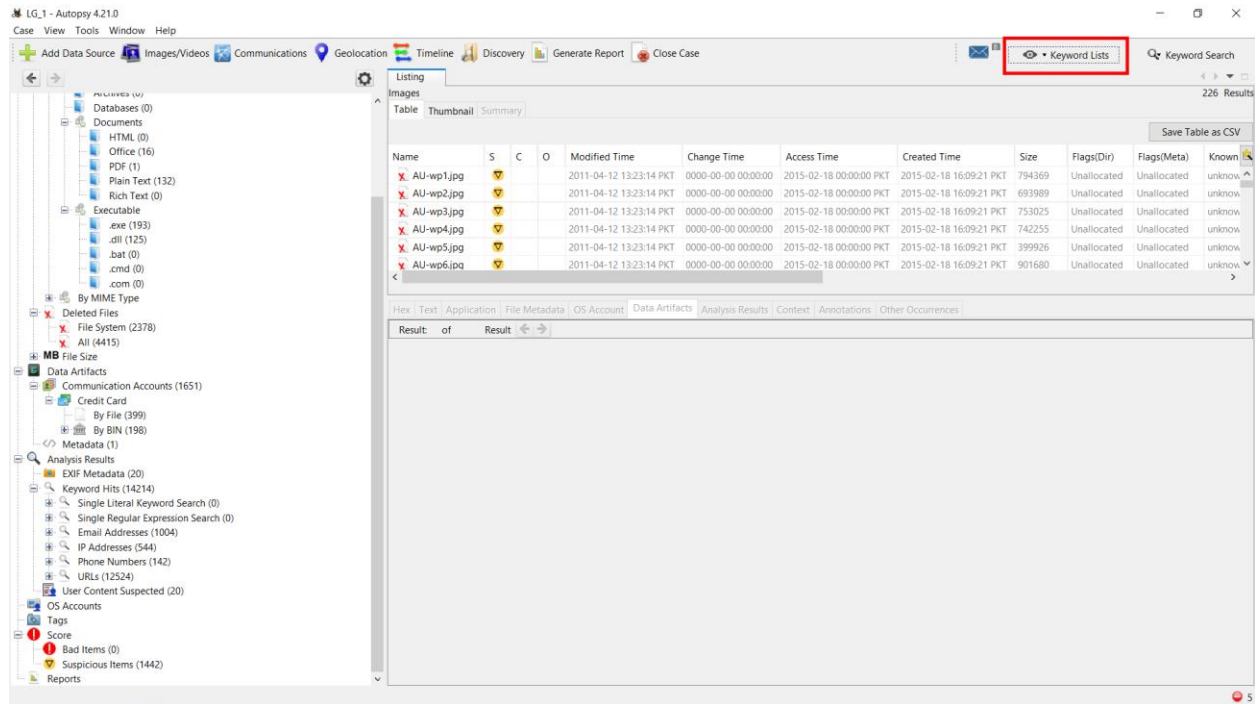
CY-D

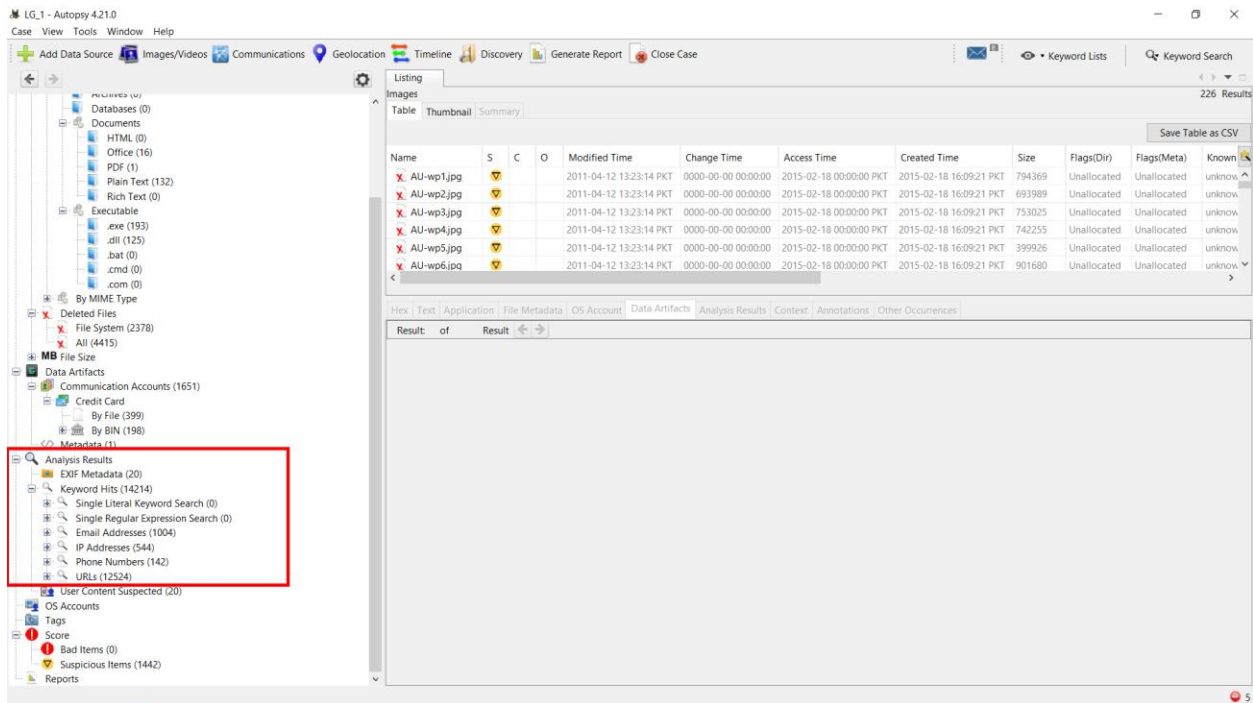
**Submitted to:**

Sir Ubaidullah

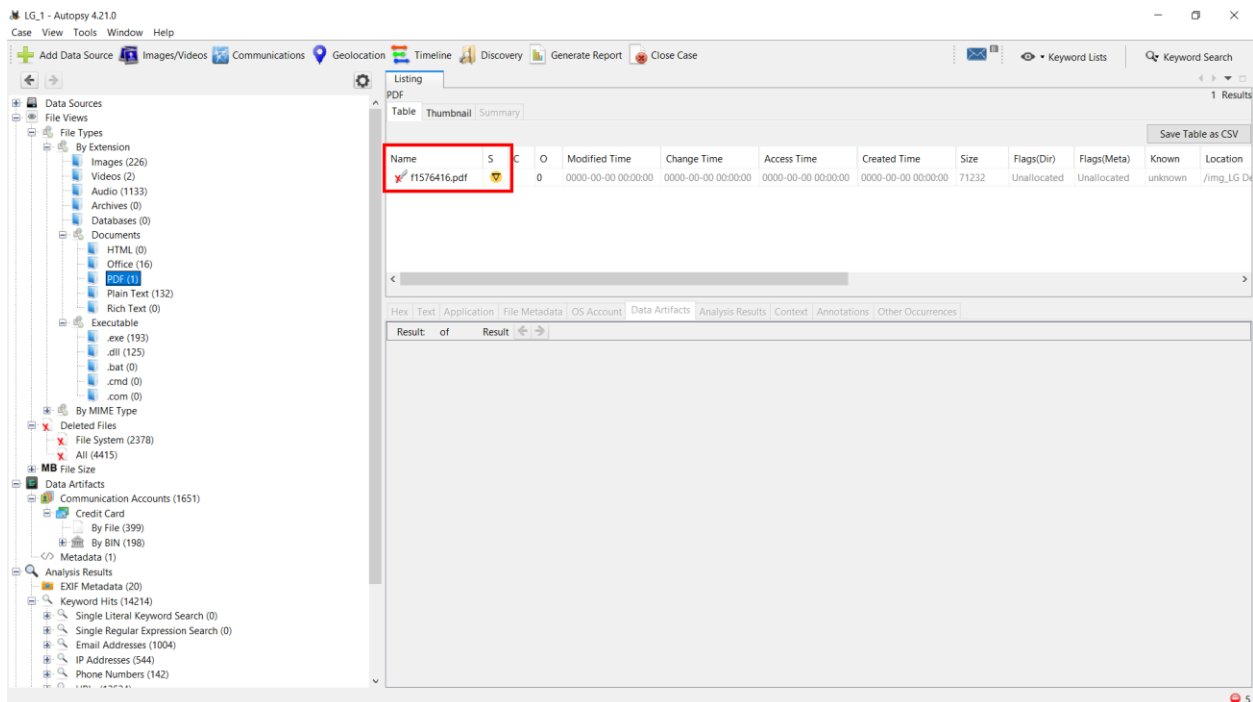
## Keyword Lists Search:

Using autopsy to search for Ip addresses, emails, phone numbers and URLs



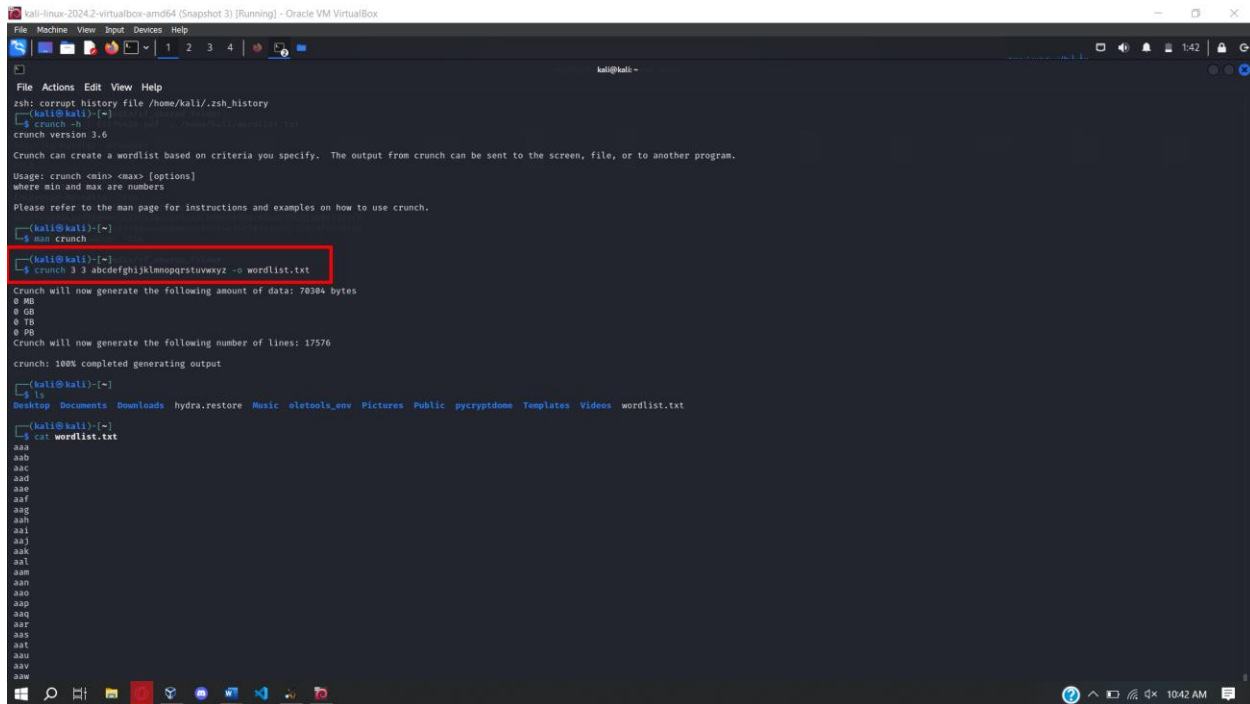


## File Password Cracking:



I found this password protected file and now I'm going to crack it's password. I've exported the file into kali linux and I'm going to use

1. Crunch to make a 3 small alphabet wordlist.
2. Pdfrack to bruteforce the password.



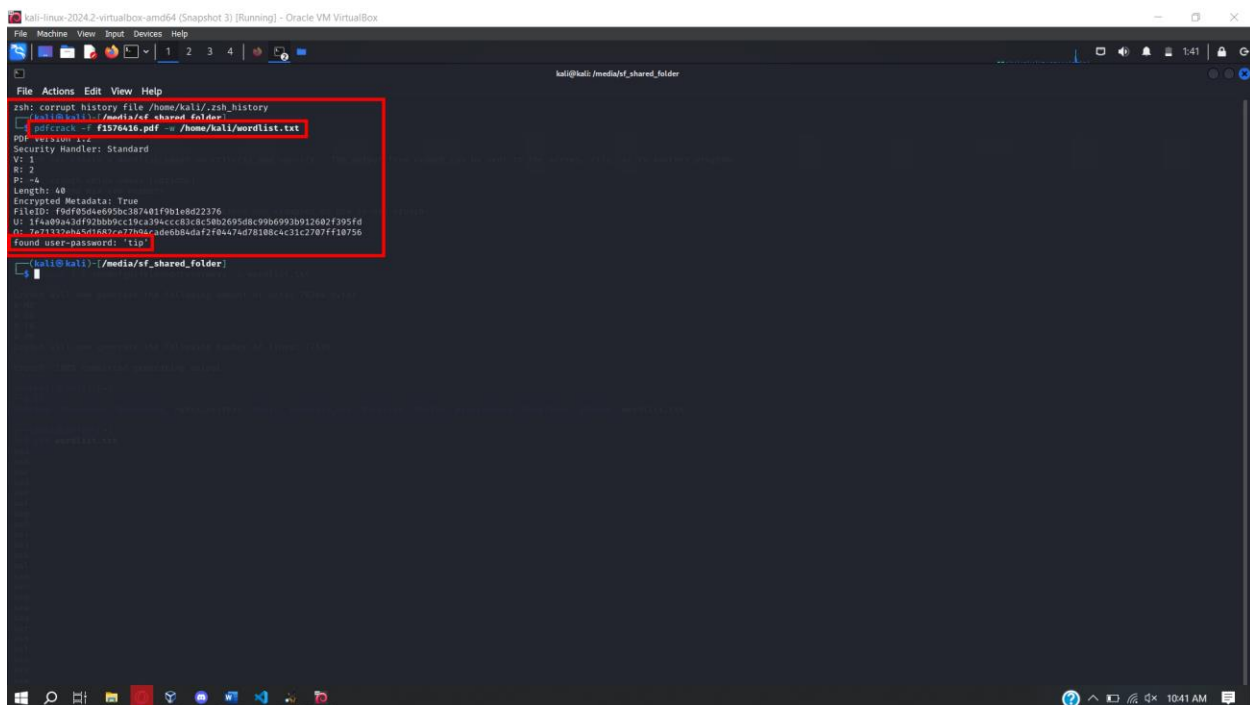
```
kali@kali:~$ zsh: corrupt history file /home/kali/.zsh_history
(kali@kali)~$ $
(kali@kali)~$ crunch -h
crunch version 3.6

Crunch can create a wordlist based on criteria you specify. The output from crunch can be sent to the screen, file, or to another program.

Usage: crunch <min> <max> [options]
where min and max are numbers

Please refer to the man page for instructions and examples on how to use crunch.

(kali@kali)~$ man crunch
(kali@kali)~$ crunch 3 abcdefghijklmnopqrstuvwxyz -o wordlist.txt
Crunch will now generate the following amount of data: 78304 bytes
0 MB
0 GB
0 TB
0 PB
Crunch will now generate the following number of lines: 17576
crunch: 100% completed generating output
(kali@kali)~$ ls
Desktop  Documents  Downloads  hydra.restore  Music  oledtools_new  Pictures  Public  pycryptodome  Templates  Videos  wordlist.txt
(kali@kali)~$ cat wordlist.txt
aaa
aab
aac
aad
aae
aaf
aag
aah
aai
aaj
aak
aal
aam
aan
aao
aap
aaq
aar
aas
aat
aau
aav
aaw
```

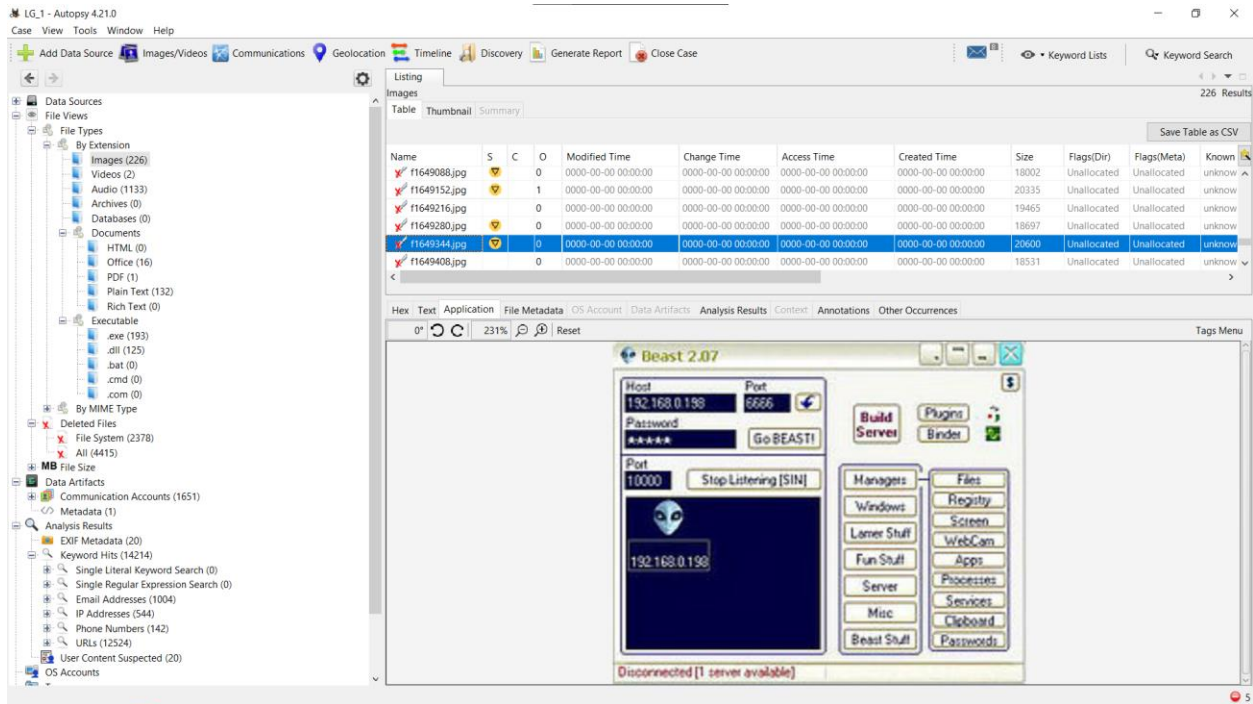


```
kali@kali:~/media/sf_shared_folder$ zsh: corrupt history file /home/kali/.zsh_history
(kali@kali)~/media/sf_shared_folder$ pdfrack -f f1576416.pdf -w /home/kali/wordlist.txt
PDF version: 1.4
Security Handler: Standard
V: 1
R: 2
P: -4
Length: 48
Encrypted Metadata: True
FileID: f9ef05d4e695bc387481f901e8d22376
Us: ffa09a21ff92b09cc19ca2994ccc83c858b2695d8c99d6993b912482f705fd
O: 7c713379a4c9f8c97c777bdaad60b84daf2f04474d78108c4c31c2707ff10756
Found user-password: "tip"
(kali@kali)~/media/sf_shared_folder$
```

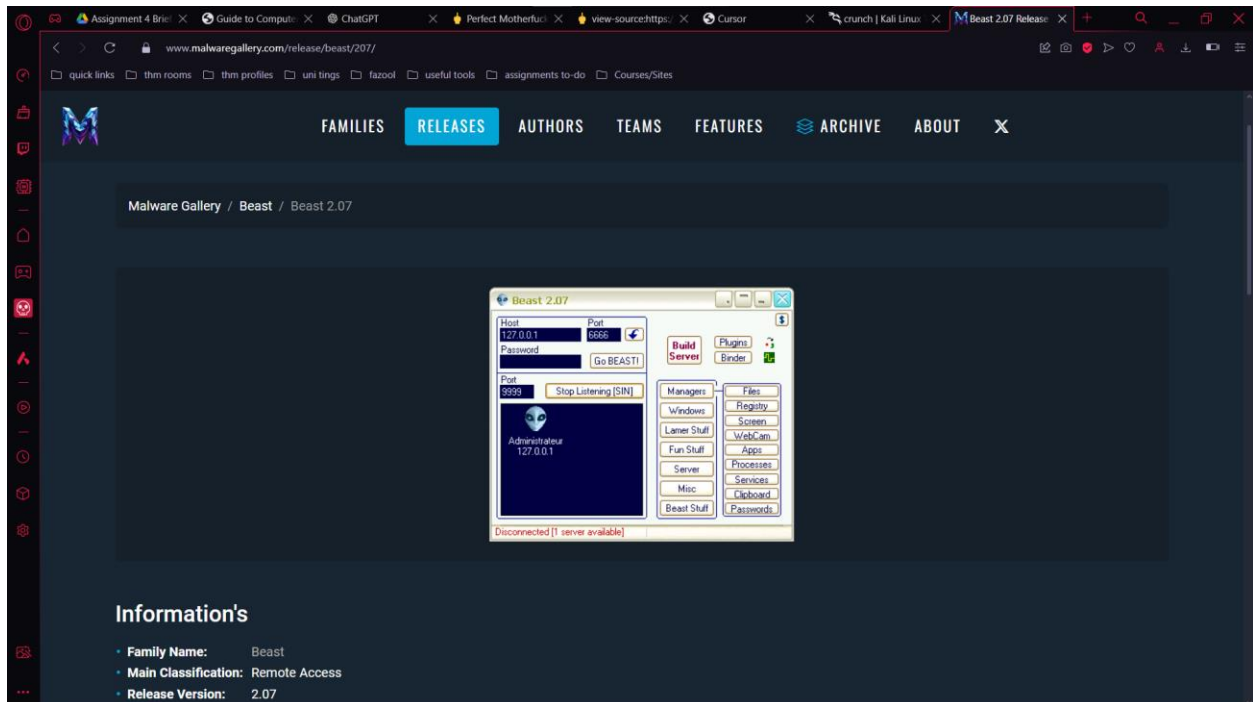
The password for the file is “tip”.

## Interesting find:

While going through the images, I found this image which is pretty interesting:



A quick search about beast 2.07 gave me this:



This is a trojan which has the following “features”:

Feature Name	Dangerousness	Key Categories
Remote Desktop / Screen Capture	● High	Assistance, Spy / Surveillance
File Manager	● High	Disruption, Alteration, Exfiltration, File System
Webcam Capture	● High	Spy / Surveillance
System Information Gathering	● High	Lateral Movements, Privilege Escalation, Spy / Surveillance
Clipboard Manager	● High	Exfiltration, Credentials
Password Recovery	● High	Privilege Escalation, Credentials, Lateral Movements
Registry Manager	● High	Alteration, Exfiltration, Credentials, System Management, Disruption
Keylogger	● High	Credentials, Spy / Surveillance
Shell Access	● High	System Management, Privilege Escalation, Lateral Movements
Process Enumeration	● Medium	System Management, Disruption
Port Scanner	● Medium	Privilege Escalation, Lateral Movements
Services Manager	● Medium	Disruption, Privilege Escalation, Assistance
Application / Window Manager	● Low	Disruption, Spy / Surveillance
Fun / Troll Functions	● Low	Alteration, Disruption