



Forensics Scripts



<https://github.com/LincolnLandForensics>





Setup_case_folder.cmd

Enter case number: 1931-172

Enter case name: AI_CAPONE

```
cases\1931-172_AI_CAPONE
```

```
cases\1931-172_AI_CAPONE\digitalevidence
```

```
cases\1931-172_AI_CAPONE\ex1
```

```
cases\1931-172_AI_CAPONE\notes_1931-172_AI_CAPONE
```

```
cases\1931-172_AI_CAPONE\digitalevidence\photos
```

```
cases\1931-172_AI_CAPONE\ex1\image
```

```
casewf\1931-172_AI_CAPONE
```

```
casewf\1931-172_AI_CAPONE\ex1
```

```
casewf\1931-172_AI_CAPONE\ex1\case
```

```
casewf\1931-172_AI_CAPONE\ex1\exports
```

```
casewf\1931-172_AI_CAPONE\ex1\imagecopy
```





Triage_windows.cmd

To quickly collect pertinent information from a windows systems such as:

Hostname

user domain

email

current user

timezone

system model

Onedrive info

bitlocker encryption status (and key)

systeminfo

ipconfig

SAM and SYSTEM for password cracking



Triage_linux_mac.sh

To quickly collect pertinent information from a Linux or MAC system:

Hostname

OS

current user

timezone

uptime

ifconfig

netstat

ssh keys

bash history

/etc/shadow

The uniq outputfile has a start and end timestamp for your lab records. The output file also records the command that was used to capture the information for posterity's sake. Running as admin is preferred but not required.





Triage Discussion?

What do you do
for onsite
triage?





Python is awesome:

- **Install Python:**

Download and install Python from python.org.

- **Install a Package with pip:**

```
python pip install (package-name)
```

or

- **Install from requirements.txt**

```
python pip install -r requirements.txt.
```

Let AI write your code:

- Chatgpt.com or DeekSeek.com



“Write a python script to read input.txt and export any email addresses into emails.txt”



Here's a simple Python script that reads email addresses from `input.txt` and exports them into `emails.txt`:

```
python

import re

# Define a regular expression for matching email addresses
email_regex = r'[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}'

# Open the input.txt file for reading
with open('input.txt', 'r') as infile:
    content = infile.read()

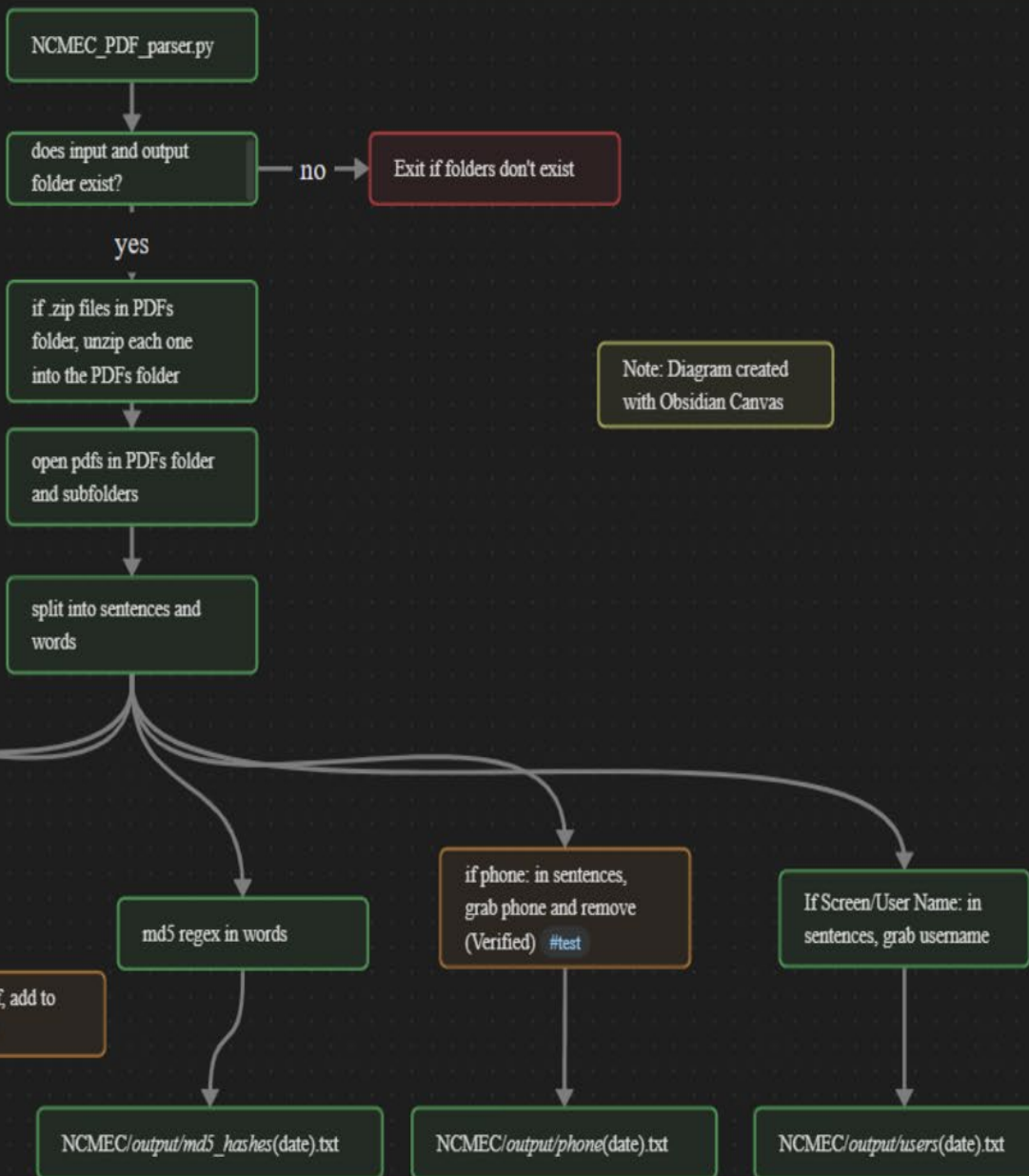
# Find all email addresses using the regex
emails = re.findall(email_regex, content)

# Open emails.txt file for writing and save the found emails
with open('emails.txt', 'w') as outfile:
    for email in emails:
        outfile.write(email + '\n')

print(f"Extracted {len(emails)} email(s) and saved to emails.txt.")
```

[Copy](#)

write a python function that unzips every .zip file in the PDFs folder, including sub folders.
Then opens each .pdf file in the "NCMEC" folder and sub folder. extract the text and tables using PyPDF2. create a list of words, split by "", <, > and ', and a list of sentences that are split by /. Create an email list that uses regex to pull out email addresses . Create an md5 list that uses regex to find all md5 hashes create an ip list that matches all IPv4 & IPv6 addresses. Create an phone list that matches all phone numbers. export each list to a text file with todays date in YYYY-MM-DD format after doing a sort / unique.





NCMEC_PDF_PARSER.PY

Dump all of your NCMEC .Zip or .Pdf files into the NCMEC folder. It will export the emails, ip's, md5's, phone numbers and users into text files in the _output folder

5 files unzipped in NCMEC folder

Processing PDFs in NCMEC folder....

NCMEC\1234\test1.pdf

NCMEC\2345\tes2.pdf

NCMEC\3456\test3.pdf

NCMEC\4567\test4.pdf

NCMEC\5678\test5.pdf

See text files in NCMEC_output folder.

1 emails

14 IPs

5 MD5 hashes

1 phone numbers

3 users



FORENSICSREPORTER.PY

Convert forensic imaging logs to xlsx, print stickers and write activity reports/
case notes

-I # parse any of the following imaging logs:

- Cellebrite
- Tableau
- Berla
- FTK
- Graykey

caseNumber	exhibit	notes	imagingTool	imagingType	imageMD5	writeBlocker	imagingStarted	storageMakeModel	storageSize	evidenceDataSize
1931-172	1	This was from Al Copone's phone	Cellebrite UFED 7.56.0.282	advanced logical	ad0234829205b90		08/02/1931 14:06:48		123 GB	123 GB
1931-172	9	Video clips range from 5/22/1931	Tableau Imager 20.3.0	disk to file		Tableau T356789iu		Kingston 2383	6 TB	6 TB
1931-172	10	This was from Al Copone's house	Tableau Imager 20.3.0	disk to file	6f1ed002ab55958	Tableau T356789iu	08/03/31 08:49 AM	Kingston 2383	123 GB	123 GB
1931-172	12	This was from Al Copone's car. He	Berla iVe 3.5.0.29841				08/01/31 08:49 AM	GM OnStar Gen10		



FORENSICSREPORTER.PY

python ForensicsReporter.py -s # print stickers

paste 1 or more rows from the spreadsheet into input_cases.xlsx or
input.txt, print out stickers for labeling evidence

Case#: 1931-172 Ex: 1

CaseName: Al Capone

Subject: d/b/a Capone Inc

Make: LGE LM-V600

Serial: DNPVABEZJCL9

Agent: Frank Wilson #345

Imaged

Case#: 1931-172 Ex: 2

CaseName: Al Capone

Subject: d/b/a Capone Inc

Make: Night Owl DVR-THD80B-82-HIK

Serial: 858A216153238

Agent: Frank Wilson #345

Case#: 1931-172 Ex: 3

CaseName: Al Capone

Case#: 1931-172 Ex: 4

CaseName: Al Capone



FORENSICSREPORTER.PY

`python ForensicsReporter.py -r # print report`

Activity Number:
1931-172

Date of Activity:
1931-11-12

Item 13

A LGE LM-V600 Verizon phone (MSISDN: 13125551212.0) (IMEI: 3525712230469390.0) (S/N: DNPVABEZJCL9) (OS: Android 11) (Hostname: Als phone) was received on 1931-08-02. On 08/02/1931 at 14:06:48 (-5), DFE HOLMES used Cellebrite UFED 7.56.0.282 to conduct an advanced logical phone extraction.

The image (MD5 Hash: ad0234829205b9033196ba818f7a872b) was saved as EvidenceCollection.ufdx. The forensic imaging process was completed successfully and verified with no errors. The source hash was calculated and confirmed unchanged before processing. The acquisition and verification hash values matched, ensuring data integrity.

Source MD5 hash: ad0234829205b9033196ba818f7a872b

Verification MD5 hash: ad0234829205b9033196ba818f7a872b

The image was processed with Cellebrite Physical Analyzer 8.1.0.7 and further analyzed with mac_apr.exe. The forensic image hash value was verified prior to processing thereby confirming the data remained unaltered prior to processing. "AICOPONE@gmail.com" with a password of "Password1234" was an email configured on this phone.

Al CAPONE gave Frank Wilson 193104 as the pincode to the phone. "AIC APONE@gmail.com" with a password of "193104" was an email configured on this phone. This phone contained 176 MMS (multimedia messaging service) messages between AICAPONE@gmail.com and 16185551211 (James). There were message between AICOPONE@gmail.com and accountant1492@gmail.com. Relevant files were exported. This phone was returned to the owner on 1931-10-02.



FORENSICSREPORTER.PY

`python ForensicsReporter.py -r -c # print report and case notes`

												case#	1931-173
												<u>caseName</u>	Al Capone
												subject	d/b/a Capone Inc
												agent	Frank Wilson #345
												forensics	Sherlock Holmes
exhibit#	type												
		evidence sheet (in)											
		evidence sheet (out)											
		label (all separate pieces)											
		imaged											
		image backup											
		analyzed											
		report (sign, print, forward)											
		case notes printed											
		digital evidence											
		digital evidence backup											
		digital evidence to agent											
1	phone	..	..		Y		Y	Y		Y			1931-172
9	<u>dvr</u>	..	..				Y	Y		Y			1931-172
10	server	..	..		Y			Y		N			1931-173
12	vehicle	..	..				Y	Y		N			1931-173

1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

CASE

Subject / Business Name:

d/b/a Capone Inc

Forensic Examiner:

Sherlock Holmes

DESCRIPTION
<p>1. The first step in the process is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.</p> <p>2. Next, it is important to gather relevant information and data. This can be done through research, interviews, or observation.</p> <p>3. Once the information is gathered, the next step is to analyze it. This involves identifying patterns, trends, and potential causes.</p> <p>4. After analysis, the next step is to develop a plan or strategy. This should be based on the information gathered and the analysis performed.</p> <p>5. The final step is to implement the plan. This involves putting the strategy into action and monitoring progress.</p>

OS:

Android 11

Phone IMEI:

3525712230449390

Password:

193104

Time Zone:

CST

LAB CHAIN OF CUSTODY

Room:

1

Received by:

Sherlock Holmes

ACQUISITION

Write Blocker:

ad0234829205b9033196ba818f7a872b

Image SHA-256:

0.1	0.5	1	101	0.1	1	0070	1001	0070000	1
-----	-----	---	-----	-----	---	------	------	---------	---



Convert Cellebrite contacts, account, web history, chats, GPS and call exports to intel format.
(normalize timestamps to YYYY-MM-DD)

query	ranking	fullname	email	user	phone	business	fulladdress	city
	3 - Contacts	John Doe			15551212694		1234 Maplewood Drive Sunset	
	3 - Contacts	Dr seuss 家庭医生			15559426983		5678 Oak Hollow Lane Riversto	
	3 - Contacts	女儿 Sam	steve_doe@email.com		15558896131		9102 Birch Meadow Court King	
	3 - Contacts - Interactio	'Jim Jones' via TeamUnify	notifications+1969c@teamunify.com					
	3 - Contacts - Interactio	10690			728D19692AD694D5B888B69A183869F6ABPerson			
	3 - Contacts - Interactio	Aadvantage Business™ PROGR	loyalty@example.com					
	3 - Contacts - Native Messages		janeDoe@ecloud.com					
	3 - Contacts - Native Messages				55512128136			
	3 - Contacts - Recents	A老爷			15558698669			
	3 - Contacts - WeChat	-Jimbo		wxid_0w19696izp96vgf12				
	3 - Contacts - WeChat	张弘		张弘			Fuzhou, Fujian, CN	



GPS 2 ADDRESS

- Read GPS coordinates and convert them to addresses
Celebrite, FTK, Flock, LPR, Tolls (Anything with GPS)
- Read addresses and convert them to coordinates
- Read GPS coordinates (xlsx) and convert them to KML for review
in earth.google.com
- Additional red lines for trips within a reasonable time.
(travel_path_SAMPLE.kml)
- Adds icons to map by type of coordinate (automagically)
- Full details in the icon

Time	Latitude	Longitude	Address	Tag	business	number	street	city	Icon
1924-08-07 12:00:00	41.9286	-87.6318	2128 N Clark St, Chicago, IL	Important	S.M.C. Cartage Co	2128	N Clark	Chicago	Images
1924-12-28 12:00:00	41.8806	-87.6305	1340 S Michigan Ave, Chicago, IL	Important	Four Deuces	1340	S Michigan Ave	Chicago	N
1925-01-28 12:00:00	41.8917	-87.6552	2222 S Deering Ave, Chicago, IL	Important	Hawthorne Inn	2222	S Deering Ave	Chicago	Images
1926-04-28 12:00:00	41.9616	-87.6571	4707 N Broadway, Chicago, IL	Important	Riviera Theatre	4707	N Broadway	Chicago	Images
1926-07-28 12:00:00	41.8881	-87.625	Chicago River, Chicago, IL					Chicago	Car3
1927-05-14 15:22:00	41.7625038	-87.6213478	7244 S Prairie Ave, Chicago, IL 60619	Important		7244	S Prairie Ave	Chicago	Home
1927-05-14 15:52:00	41.8529	-87.6326	3500 S Giles Ave, Chicago, IL	Important	Chicago Coliseum	3500	S Giles Ave	Chicago	Images
1927-05-14 16:22:00	41.8056	-87.5972	Chicago, IL	Important				Chicago	Truck
1927-05-14 19:33:00	41.9742	-87.8651	5400 N River Rd, Rosemont, IL	Important		5400	N River	Rosemont	Car
1928-05-17 12:00:00	41.8758	-87.6395	120 N LaSalle St, Chicago, IL	Important	City Hall	120	N LaSalle St	Chicago	Images
1928-06-14 12:00:00	41.8789	-87.6359	2220 S Wabash Ave, Chicago, IL	Important	Colosimo's Café	2220	S Wabash Ave	Chicago	Searched
1928-07-17 12:00:00	41.8827	-87.629	431 S Dearborn St, Chicago, IL	Important		431	S Dearborn St	Chicago	Calendar
1929-12-27 12:00:00	41.8906	-87.6233	1250 S Michigan Ave, Chicago, IL	Important		1250	S Michigan Ave	Chicago	Office

GPS 2 ADDRESS

Capone's hideout

Riviera Theatre

Wrigley Field

S.M.C. Cartage Co

The Burwood Tap

Maxwell Street Market

Train Station

Four Deuces

City Hall

Chicago

Chicago Coliseum

Burnham's dump

Capone's Home

Icon	Icon Description
	Car
	Car2
	Car3
	Car4
	Truck
	Calendar
	Home
	Images
	Intel
	Locations
	Yellow
	Office
	Searched
	Videos
	Toll
	N
	E
	S
	W

Burnham's dump
Burnham's dump (Capone's body disposal site)
COORDINATE: 41.8056,-87.5972
TIME: 1927-05-14 16:22:00
Chicago, IL
TAG: Important
TYPE: Capone_Locations
CASE: 1929-0234
SOURCE: Capone_Locations.xlsx
ROW#: 22
Directions: [To here](#) - [From here](#)

GPS 2 ADDRESS



NAME: 07FA111E-5750-46D0-A133-
1DB: ... 3AC.JPG
COORDINATE:
... 3, -8, ... 220055 ... 55
TIME: 2019-06-02 02:04:48
ADDRESS: ...
... Township, County, United
States
TYPE: Images
CASE: 2019-1 ...
SOURCE: Locations_ ... _2019 ... _V1.xlsx
ROW#: 143

Directions: [To here](#) - [From here](#)



- **Simplicity & Speed:** Easy to learn and quick to write, speeding up documentation of forensic findings.
- **Clean & Readable:** Plain text format remains easy to understand, with no distractions.
- **Effective Organization:** Use links, tags, and hierarchical structures to connect and organize case information.
- **Cross-Platform:** Accessible on any device, with Obsidian syncing between locations.
- **Integrity:** Plain text files are lightweight and less prone to corruption.
- **Searchability:** Advanced search, tags, and backlinks to quickly find relevant information across cases.
- **Collaboration:** Share and collaborate on notes seamlessly, ensuring team alignment.



Obsidian



Typora



Visual Studio
Code



iA Writer



Joplin



Notion





MARKDOWNMAKER.PY

- Create a basic Obsidian notebook install. (-b -t -T Template_cases)
- Convert documents and files into unified markdown files for use with Obsidian, Notion, Gitub Readme's and other Markdown notebooks. (-c)
- `python MarkdownMaker.py -c -I c:\scripts\python\test_files -O c:\scripts\python\ObsidianNotebook`



Standardized case notes from templates



0.Case

1.Inbox

2.Projects

3.DailyNotes

4.Documents

5.Templates

6.Logs

7.Archives

8.Tasks

9.Assets

> documents

> Excalidraw

▼ media

> images

> videos

_Arbitro **TIFF**

HMD... **HEIF**

HMD... **HEIF**

_Samsun... **JPG**

_Samsun... **JPG**

Canon_40D **JPG**

coker **JPG**

Canon_40D

File: C:\Forensics\scripts\python\test_files\Canon_40D.jpg

Creation: 2025-01-31 11:34:42

Modified: 2024-11-26 07:46:44

MD5: 406958840ad1665ffcd1be9c29d515b9



Exif Data

DateCreated: 2008:07:31 10:38:11

DateTimeOriginal: 2008:05:30 15:56:01

FileCreateDate: 2025-01-31 11:34:42

FileModifyDate: 2024-11-26 07:46:44

DeviceManufacturer: Canon





eml_example_email

File: test_files\eml_example_email.eml

Creation: 2024-11-14 11:08:43

Modified: 2024-11-14 11:08:27

MD5: 99044741959398afadb70bd825f11108

Subject: Sample Email

From: sender@example.com

To: recipient@example.com

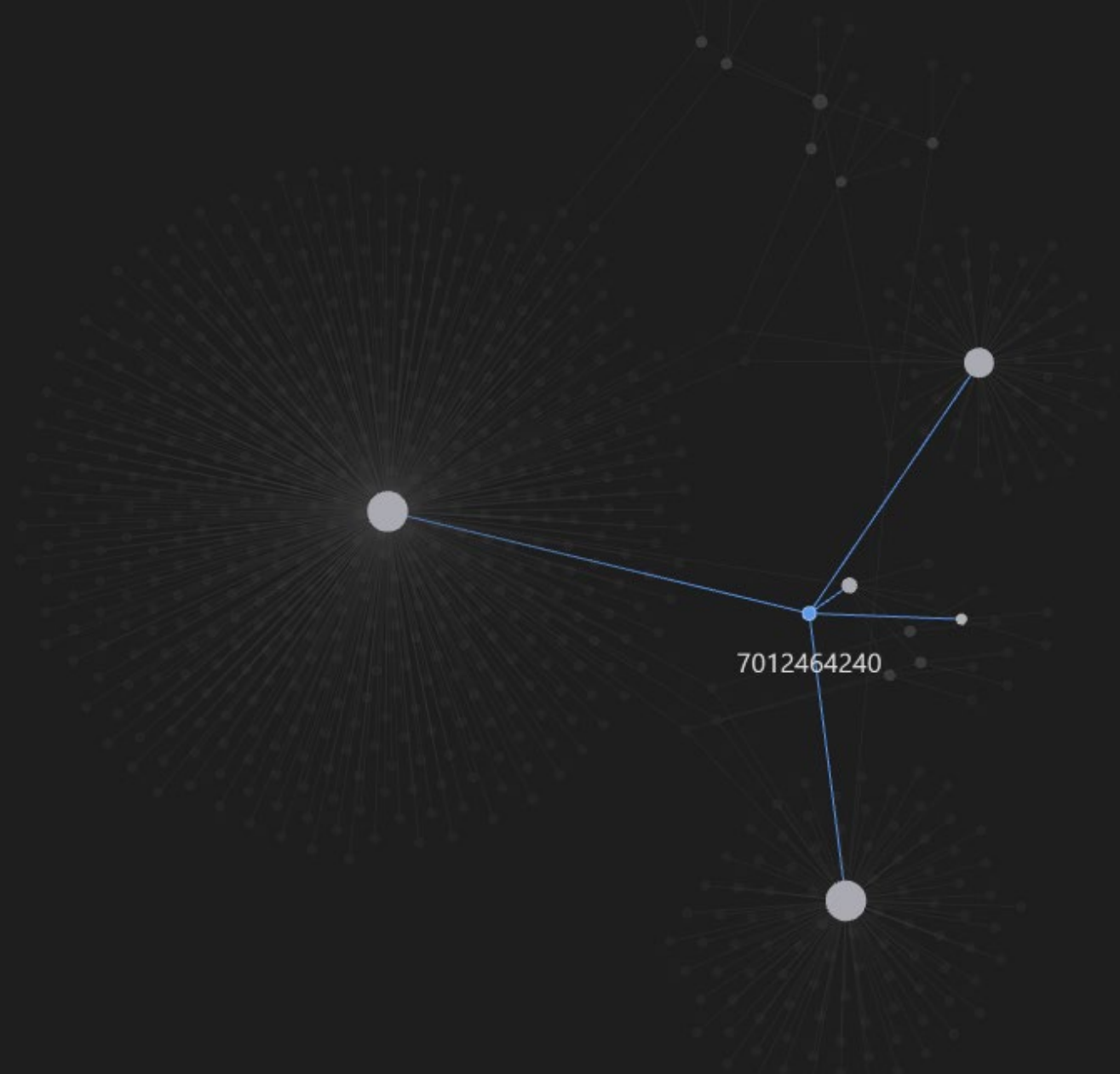
Hello,

This is a sample email generated for demonstration purposes. This email includes basic headers and a plain text message body.





XLSX 2 MARKDOWN

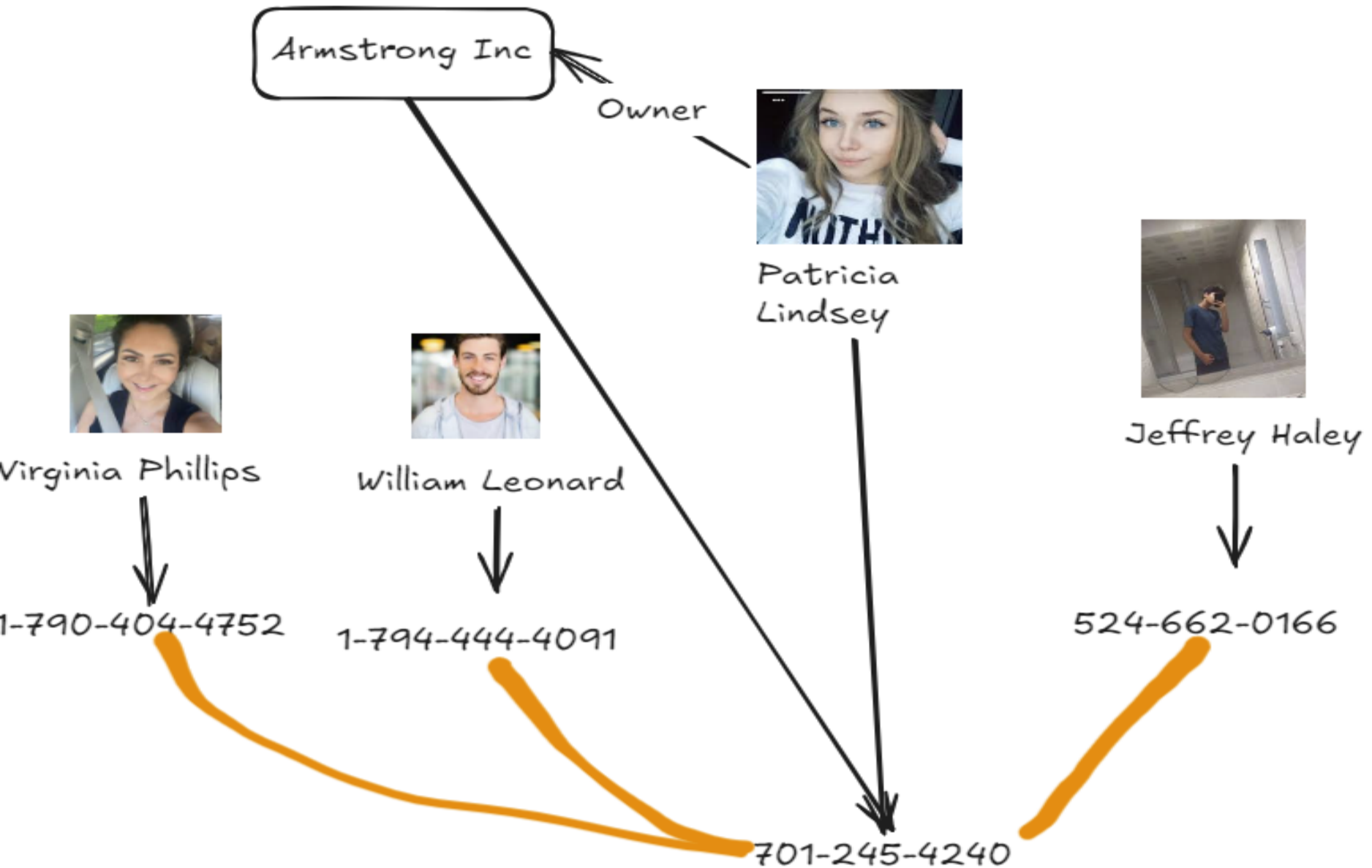


Correlate matching
contacts
(xlsx2markdown.py)
with
Obsidian Graph

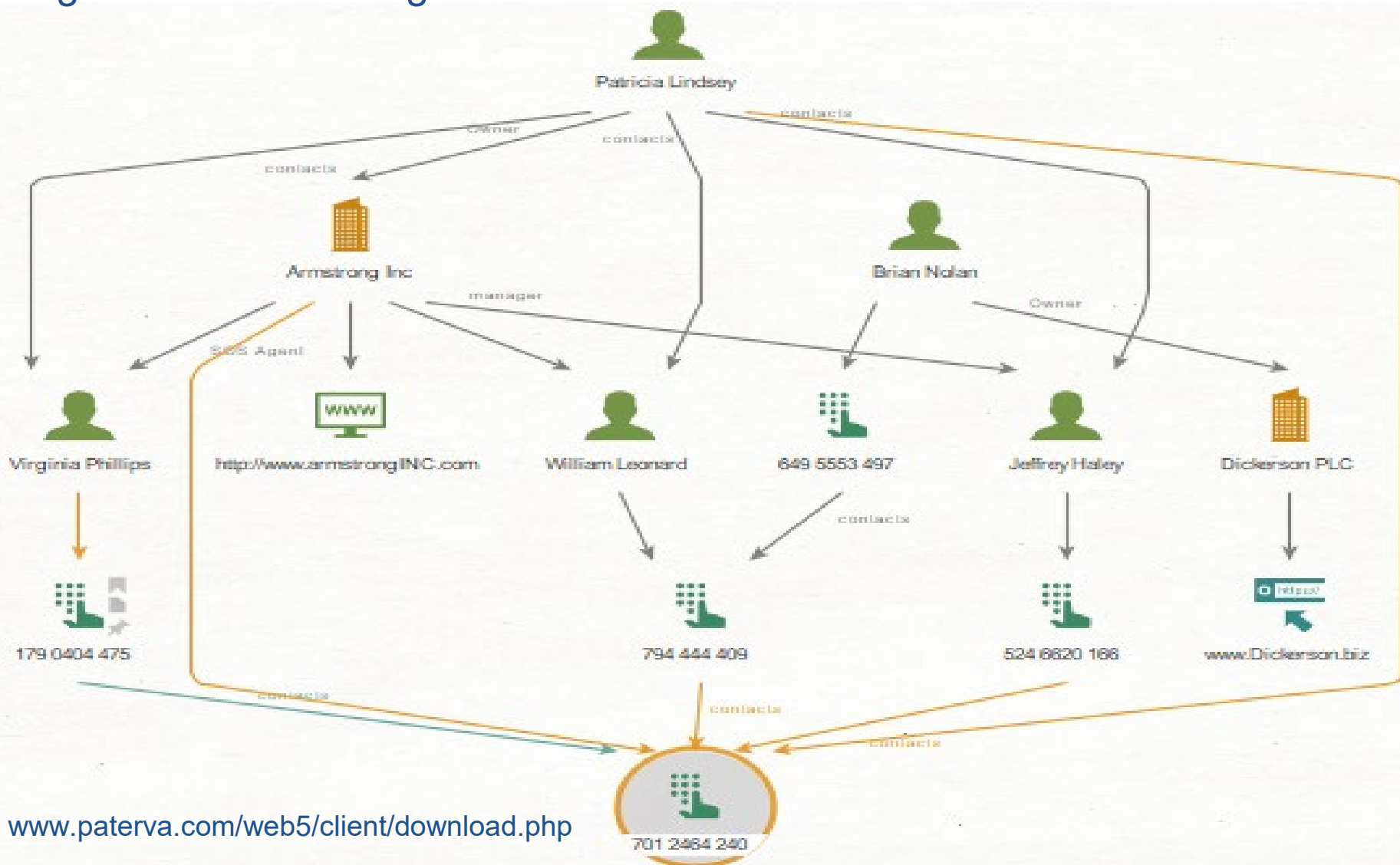




OBSIDIAN CANVAS



Org Charts with Maltego





IDENTITY HUNT SCRIPT

Script a mass email, user, IP, phone query

query	ranking	fullname	url	state	note
Kelvinrose	3 - about.me	Kelvin ROSE	https://about.me/Kelvinrose		San Francisco, Cal
Kelvinrose	3 - cashapp	Kelvin ROSE	https://cash.app/\$Kelvinrose		
Kelvinrose	3 - instagram	Kelvin ROSE	https://instagram.com/Kelvinrose/		
Kelvinrose	3 - paypal	Kelvin ROSE	https://www.paypal.com/paypalme/Kelvinrose		"givenName": "Ke
3855551212	3 - spydialer		https://www.spydialer.com	UT?	
Kelvinrose	4 - Facebook	Kelvin ROSE	https://facebook.com/Kelvinrose		
Kelvinrose	4 - flickr	Kelvin ROSE	https://www.flickr.com/people/Kelvinrose		
Kelvinrose	4 - myspace	Kelvin ROSE	https://myspace.com/Kelvinrose		
Kelvinrose	4 - public	Kelvin ROSE	https://public.com/@Kelvinrose		
Kelvinrose	4 - youtube	Kelvin ROSE	https://www.youtube.com/Kelvinrose		
Kelvinrose	5 - bsky	Kelvin ROSE	https://bsky.app/profile/Kelvinrose.bsky.social		
Kelvinrose	5 - discuss		http://disqus.com/Kelvinrose		
KC3ELO	5 - ham radio		https://www.radioqth.net/lookup		
Kelvinrose	5 - patreon		https://www.patreon.com/Kelvinrose/creators		
Kelvinrose	6 - reddit		https://www.reddit.com/user/Kelvinrose/		
Kelvinrose	6 - slack	Kelvin ROSE	https://Kelvinrose.slack.com		
Kelvinrose	7 - poshmark		https://poshmark.com/closet/Kelvinrose		





IDENTITY HUNT SCRIPT

Scripted 60+ different site checks

query	ranking	url	note
Kelvinrose	7 - roblox	https://www.roblox.com/user.aspx?username=Kelvinrose	
Kelvinrose	7 - spotify	https://open.spotify.com/user/Kelvinrose	
theKelvinrose	7 - tinder	https://tinder.com/@theKelvinrose	
3855551212	8 - familytree	https://www.familytreenow.com/search/genealogy/results?phon	
Hmei7	8 - reddit	https://www.reddit.com/user/Hmei7/	hasn't posted yet
Kelvinrose	8 - tiktok	https://tiktok.com/@Kelvinrose?	
Kelvinrose@gmail	9 - calendar	https://calendar.google.com/calendar/u/0/embed?src=Kelvinrose	
Kelvinrose@gmail	9 - carrot2	https://search.carrot2.org/#/search/web/Kelvinrose@gmail.com/t	
Kelvinrose	9 - garmin	https://connect.garmin.com/modern/profile/Kelvinrose	
Kelvinrose	9 - linkedin	https://www.linkedin.com/in/Kelvinrose	
Kelvinrose	9 - manual	https://whatsmyname.app/	cd C:\Forensics\script
Kelvinrose	9 - pinterest	https://www.pinterest.com/Kelvinrose/	
Kelvinrose@gmail	9 - thatsthem	https://thatsthem.com/email/Kelvinrose@gmail.com	
Kelvinrose	9 - venmo	https://account.venmo.com/u/Kelvinrose	
77.15.67.232	9 - whatismyip	https://whatismyipaddress.com/ip/77.15.67.232	
3855551212	9 - whitepages	https://www.whitepages.com/phone/1-3855551212	
77.15.67.232	9 - whois	https://www.ipaddress.com/ipv4/77.15.67.232	
Kelvinrose	9 - X	https://x.com/Kelvinrose	





IDENTITY HUNT SCRIPT - BLURB

fullname	url	email	phone	business	fulladdress
Brian Nolan	https://www.Dickerson.biz/	brian.nolan@dickerson.biz	6495553497	Dickerson PLC	569 Patrick Branch, Washingtonfurt, MT 54790
Danielle Ortiz	https://www.Dickerson.biz/	danielle.ortiz@gmail.com	14593217	Dickerson PLC	0778 Decker Mall, Dominguezstad, CA 94567
Dustin Sanchez	https://www.Dickerson.biz/	dustinsanchez@gmail.com	6747279102	Dickerson PLC	04916 Gary Junction, Michaelbury, MT 54790
Jeffrey Haley	http://ayers.com/	haley58@yahoo.com	5246620166	Murphy-Wood	2036 Johnson Flat, Murphyfort, TN 98765
Katherine Moss	https://www.Dickerson.biz/	moss52@gmail.com	13572482	Dickerson PLC	8525 Jared Port Suite 971, West Meli, MT 54790
Patricia Lindsey	http://www.armstrongINC.com/	patricia.lindsey@armstrongINC.co	7012464240	Armstrong Inc	388 Kimberly Park Suite 094, Port Bar, MT 54790
Robin Brewer	http://www.armstrongINC.com/	robin22@hotmail.com	5585335840	Armstrong Inc	570 Isaac Garden Apt. 895, Davisburg, MT 54790
Virginia Phillips	http://www.armstrongINC.com/	vphillips67@gmail.com	1790404475	Armstrong Inc	403 Wilson Shoals Apt. 046, Port She, MT 54790
William Leonard	http://www.armstrongINC.com/	leonard22@yahoo.com	1794444409	Armstrong Inc	671 Wendy Heights, East Natashapon, MT 54790

An open-source search revealed the following details.

fullname: Brian NOLAN

url: <https://www.Dickerson.biz/>

email: brian.nolan@dickerson.biz

user: brian.nolan

phone: 6495553497

business: Dickerson PLC

fulladdress: 569 Patrick Branch, Washingtonfurt, MT 54790

DOB: 1986-01-14

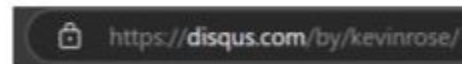
owner: Amber Rogers

sosagent: Gary Gilbert

query: kevinrose

url: <http://disqus.com/kevinrose/>

user: kevinrose



*Created with FakeFactory.py

hacked by zalgo

Convert pdf invoices to excel

filename	date	total	quantity	description	priceEach	amount	year	month	day	folder	grand_total	shipping
apr 23_page_1.pdf	2023-04-01	12.99	1	Bar	\$12.99	\$12.99	2023	04	01	pdfs_single_page\apr 23_page_1.pdf	39.73	13.25
apr 23_page_10.pdf	2023-04-01	64.95	5	GlowFresh Energy Drink	\$12.99	\$64.95	2023	04	01	pdfs_single_page\apr 23_page_10.pdf	121.91	11.99
apr 23_page_100.pdf	2023-04-06	129.98	2	Sunrise Trail Mix	\$64.99	\$129.98	2023	04	06	pdfs_single_page\apr 23_page_100.p	141.97	11.99
apr 23_page_101.pdf	2023-04-06	45.99	1	ChocoCheer Candy Bar	\$45.99	\$45.99	2023	04	06	pdfs_single_page\apr 23_page_101.p	57.98	11.99
apr 23_page_102.pdf	2023-04-06	43.96	4	H2GO Purified Water	\$10.99	\$43.96	2023	04	06	pdfs_single_page\apr 23_page_102.p	78.93	11.99
apr 23_page_103.pdf	2023-04-06	181.2	4	ZestyZip Lemonade	\$45.30	\$181.20	2023	04	06	pdfs_single_page\apr 23_page_103.p	193.19	11.99
apr 23_page_104.pdf	2023-04-06	64.98	2	NutriNibbles Snack Pack	\$32.49	\$64.98	2023	04	06	pdfs_single_page\apr 23_page_104.p	76.97	11.99
apr 23_page_105.pdf	2023-04-06	59.95	5	Sipz Iced Coffee	\$11.99	\$59.95	2023	04	06	pdfs_single_page\apr 23_page_105.p	106.92	11.99
apr 23_page_106.pdf	2023-04-06	40.9	10	SunnyDay Orange Juice	\$4.09	\$40.90	2023	04	06	pdfs_single_page\apr 23_page_106.p	52.89	11.99
apr 23_page_107.pdf	2023-04-06	25.98	2	BerryBites Fruit Snacks	\$12.99	\$25.98	2023	04	06	pdfs_single_page\apr 23_page_107.p	80.7	13.25
apr 23_page_108.pdf	2023-04-06	27.49	1	UltraClean Toothpaste	\$27.49	\$27.49	2023	04	06	pdfs_single_page\apr 23_page_108.p	66.97	11.99
apr 23_page_109.pdf	2023-04-06	23.96	4	RefreshMints Gum	\$5.99	\$23.96	2023	04	06	pdfs_single_page\apr 23_page_109.p	135.97	11.99
apr 23_page_11.pdf	2023-04-01	55.99	1	PowerCharge Energy Bar	\$55.99	\$55.99	2023	04	01	pdfs_single_page\apr 23_page_11.pdf	67.98	11.99
apr 23_page_110.pdf	2023-04-06	10.99	1	CrispMorn Muffin	\$10.99	\$10.99	2023	04	06	pdfs_single_page\apr 23_page_110.p	35.46	11.99
apr 23_page_111.pdf	2023-04-06	47.96	4	BoldBean Espresso Shot	\$11.99	\$47.96	2023	04	06	pdfs_single_page\apr 23_page_111.p	77.44	11.99



TRANSLATOR

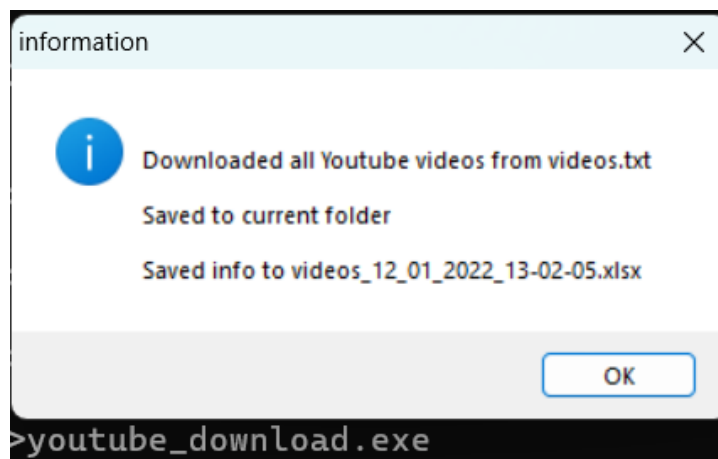
Translate most languages in bulk

original	english	language
勇者有福	Blessed are the brave	Chinese (Simplified)
La fortune sourit aux audacieux.	Fortune favors the brave.	French
Das Glück begünstigt die Kühnen.	Fortune favors the bold.	German
भाग्य साहसियों का साथ देता है	fortune favors the brave	Hindi
La fortuna aiuta gli audaci.	Fortune favors the bold.	Italian
大胆に行く者は幸運を得る	Those who go boldly will find good fortune.	Japanese
A sorte protege os audazes.	Luck protects the bold.	Portuguese
Удача любит смелых	Fortune favors the brave	Russian
La fortuna favorece a los valientes.	Fortune favors the brave.	Spanish
الحظ يحب الجريئين	Luck loves the bold	Arabic



YOUTUBE DOWNLOADER

url	title	description	views	author	publish_date	length	rating	thumbnail_url	dateDownloaded
https://youtu.be/V-_O7nl0ii0	Nice Ocean Waves	Some nice waves that can relax you.	5979577	John Frye	2013-05-18 00:00	55	None	https://i.ytimg.co	12/01/2022
https://www.youtube.com/watch?v=xfr64zoBTAQ	News Alert - Breaking News	Breaking news ... thousands hurt, millions suffering.	7509468	Ed Taylor	2010-02-26 00:00	127	None	https://i.ytimg.co	12/01/2022

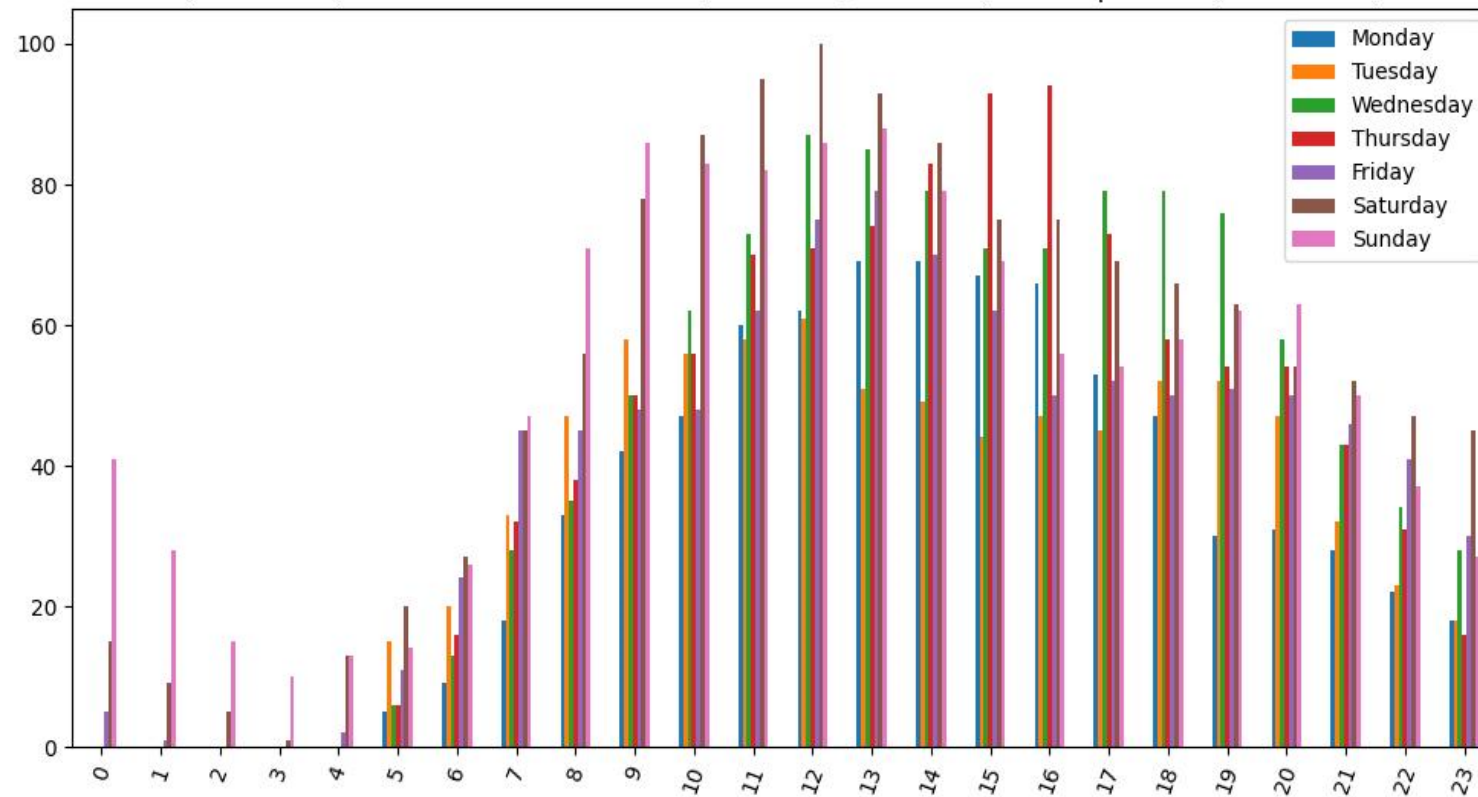




Visualize Google popular times

business	fulladdress	categories	googled	rating	time_spent	current_popular	place_id	Latitude	Longitude
McDonald's	9628 California City Blvd, California City, CA	Fast food restaurant, Breakfa	2025-01-08	3.1	15		39 ChIJ1Zb94eQswc	35.125651	-117.9583
McDonald's	30580 Rancho California Rd, Temecula, CA	Fast food restaurant, Breakfa	2025-01-08	3.2	10		8 ChIJmZLB_qI_24	33.508701	-117.1269

(McDonalds) 30580 Rancho California Rd, Temecula, CA 92591, visitors per hour (2025-01-08)

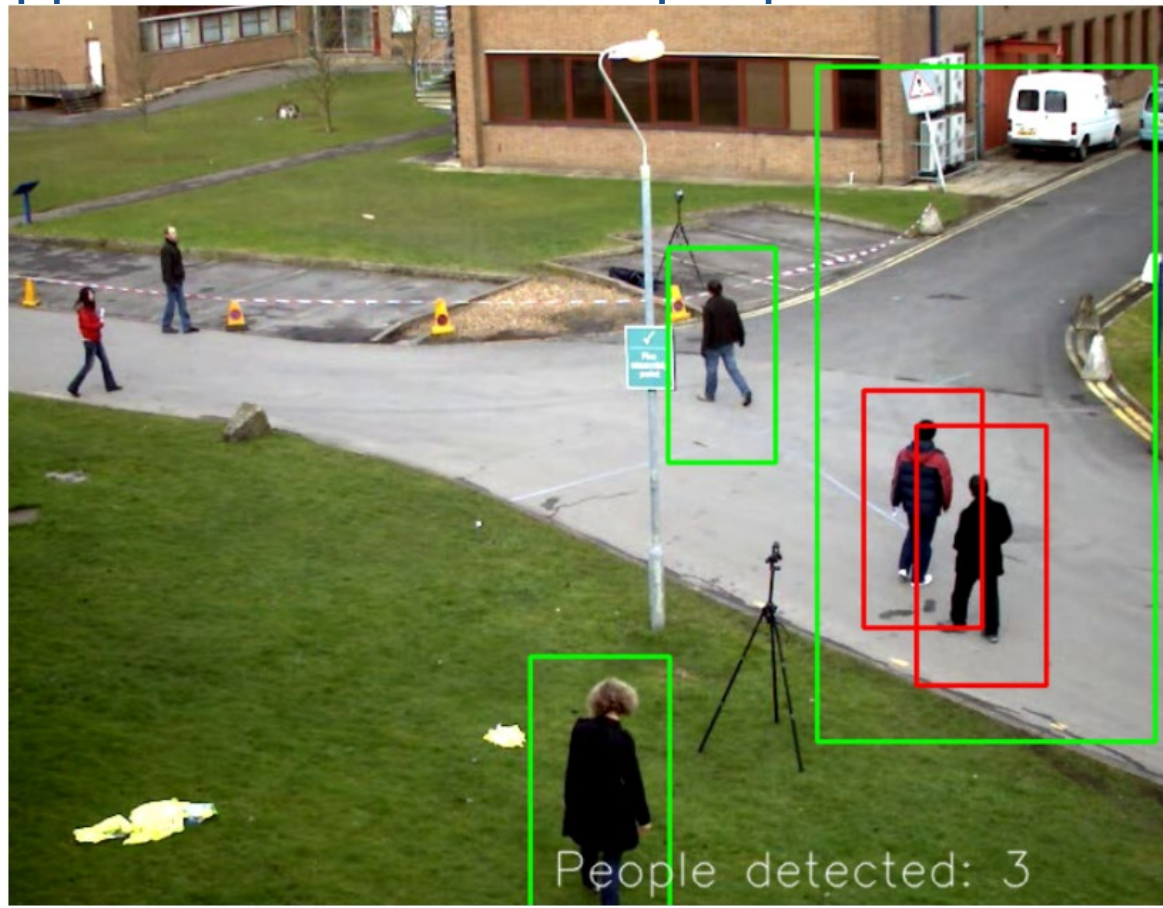




PEOPLECOUNT

Count the approximate number of people in a folder of videos

*Not very accurate



file_name	max_people_detected	file_size	creation_time	access_time	modified_time	duration	audio_found	video_fps
20221218_094608_CAM5.avi	2	130452	2024-04-30 11:25:11	2024-04-30 17:10:04	2023-02-01 11:54:12	0.53	No	15
20221218_153918_CAM5.avi	3	431948	2024-04-30 11:25:11	2024-04-30 17:10:04	2023-02-01 11:54:12	2	No	20.5
20221219_185919_CAM5.avi	2	119256	2024-04-30 11:25:11	2024-04-30 17:10:04	2023-02-01 11:54:12	0.53	No	15
20221220_121856_CAM5.avi	1	435008	2024-04-30 11:25:11	2024-04-30 17:10:04	2023-02-01 11:54:12	2.67	No	15



<https://github.com/LincolnLandForensics>

