Informe OSINT – SEINTPL Spring Quiz 2025

Gravity

Abstract

This report presents a detailed walkthrough of the TryHackMe room *OhSINT*, available at `https://tryhackme.com/room/ohsint`. The challenge focuses on Open Source Intelligence (OSINT) techniques, beginning with a single image as the only clue. By carefully analyzing metadata and publicly available online information, we aim to answer a series of questions posed by the challenge.

1 Challenge Description

The goal of this challenge is to extract personal and technical information using only open-source intelligence tools and methods. The only given input is a single image. The specific questions to answer are:

SEINT 2025 – Quick Spring Quiz

- What is this user's avatar of?
- What city is this person in?
- What is the SSID of the WAP he connected to?
- What is his personal email address?
- What site did you find his email address on?
- Where has he gone on holiday?
- What is the person's password?

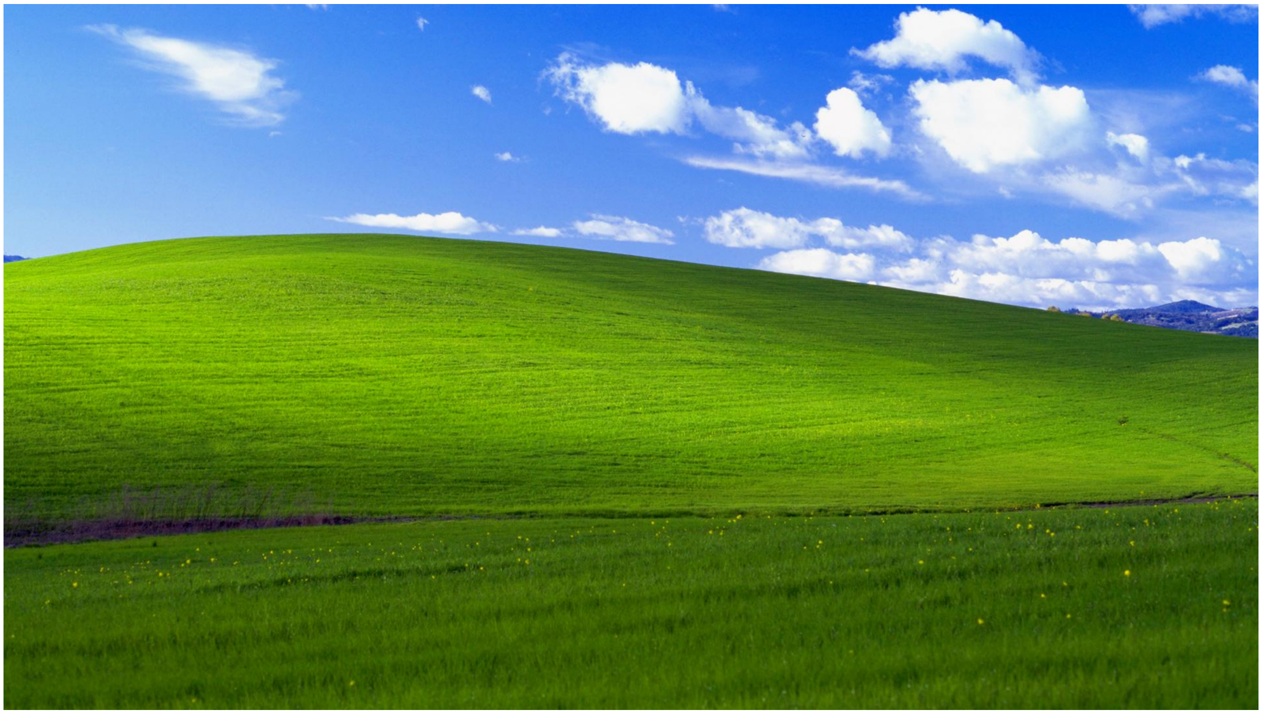
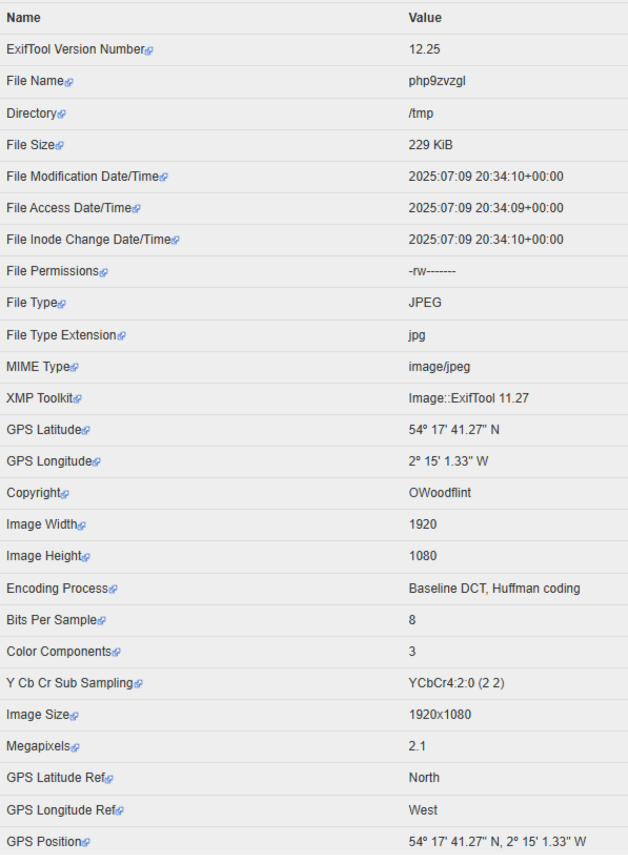


Figure 1: Image provided for the challenge

2 Step-by-Step Analysis

2.1 Metadata Extraction

We begin by examining the provided image. Since no visible information is immediately evident, we use `https://exif.tools` to extract the image's metadata.



Name	Value
ExifTool Version Number	12.25
File Name	php9zvzgl
Directory	/tmp
File Size	229 KiB
File Modification Date/Time	2025:07:09 20:34:10+00:00
File Access Date/Time	2025:07:09 20:34:09+00:00
File Inode Change Date/Time	2025:07:09 20:34:10+00:00
File Permissions	-rw-------
File Type	JPEG
File Type Extension	jpg
MIME Type	image/jpeg
XMP Toolkit	Image::ExifTool 11.27
GPS Latitude	54° 17' 41.27" N
GPS Longitude	2° 15' 1.33" W
Copyright	OWoodflint
Image Width	1920
Image Height	1080
Encoding Process	Baseline DCT, Huffman coding
Bits Per Sample	8
Color Components	3
Y Cb Cr Sub Sampling	YCbCr4:2:0 (2 2)
Image Size	1920x1080
Megapixels	2.1
GPS Latitude Ref	North
GPS Longitude Ref	West
GPS Position	54° 17' 41.27" N, 2° 15' 1.33" W

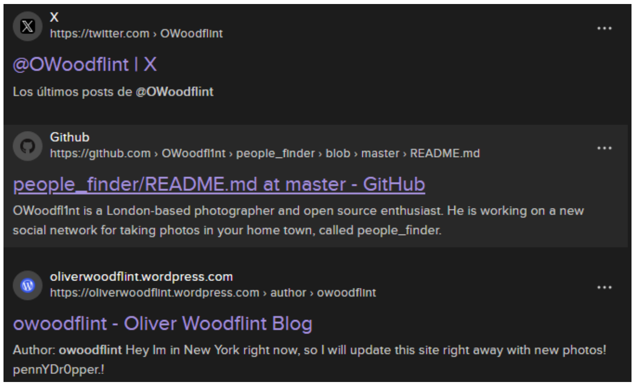
Figure 2: EXIF metadata of the image

From the metadata, we identify a copyright tag showing the username `OWoodflint`, along with GPS coordinates: `54° 17’ 41.27" N, 2° 15’ 1.33" W`.

2.2 Username Investigation

A Google search of the username `OWoodflint` reveals three main sources:

- Twitter: `https://x.com/OWoodflint`
- GitHub: `https://github.com/OWoodfl1nt/people_finder`
- WordPress: `https://oliverwoodflint.wordpress.com/author/owoodflint/`



X
https://twitter.com › OWoodflint
@OWoodflint I X
Los últimos posts de **@OWoodflint**

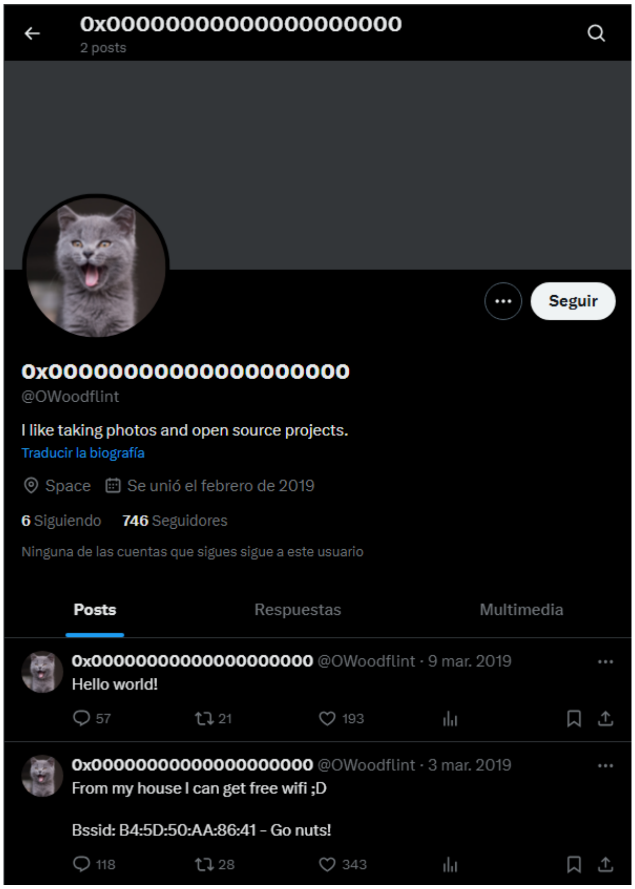
Github
https://github.com › OWoodfl1nt › people_finder › blob › master › README.md
people_finder/README.md at master - GitHub
OWoodfl1nt is a London-based photographer and open source enthusiast. He is working on a new social network for taking photos in your home town, called people_finder.

oliverwoodflint.wordpress.com
https://oliverwoodflint.wordpress.com › author › owoodflint
owoodflint - Oliver Woodflint Blog
Author: **owoodflint** Hey Im in New York right now, so I will update this site right away with new photos! pennYDr0pper.!

Figure 3: Search results for the username

2.3 Twitter Analysis

On the Twitter profile, the user has a cat as their profile picture and only two tweets. This answers the first question: **cat**.



0x00000000000000000000
2 posts

0x00000000000000000000
@OWoodflint

I like taking photos and open source projects.
Traducir la biografía

Space · Se unió el febrero de 2019

6 Siguiendo · 746 Seguidores

Ninguna de las cuentas que sigues sigue a este usuario

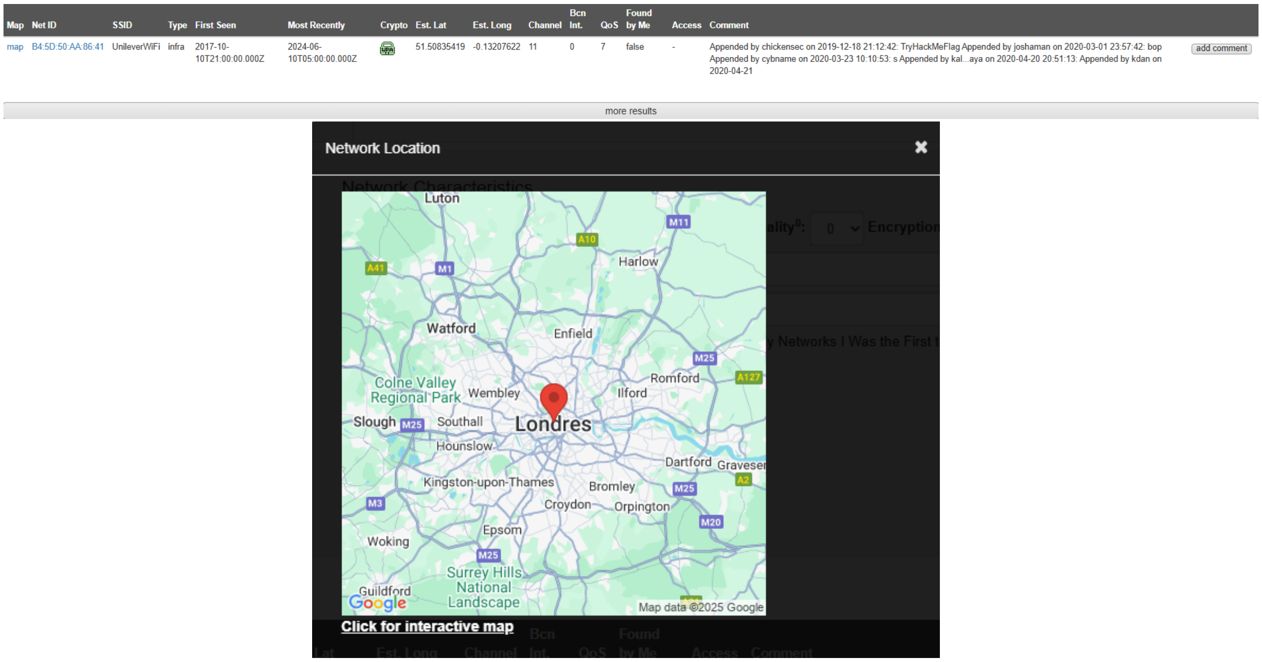
0x00000000000000000000 @OWoodflint · 9 mar. 2019
Hello world!
57 · 21 · 193

0x00000000000000000000 @OWoodflint · 3 mar. 2019
From my house I can get free wifi ;D

Bssid: B4:5D:50:AA:86:41 - Go nuts!
118 · 28 · 343

Figure 4: Twitter profile image

One tweet contains the string: `BSSID: B4:5D:50:AA:86:41`. Using this MAC address in `https://wigle.net`, we identify the location and WiFi SSID.



Map	Net ID	SSID	Type	First Seen	Most Recently	Crypto	Est. Lat	Est. Long	Channel	Bcn Int.	QoS	Found by Me	Access	Comment	
map	B4:5D:50:AA:86:41	UnileverWiFi	infra	2017-10-10T21:00:00.000Z	2024-06-10T05:00:00.000Z	WPA	51.50835419	-0.13207622	11	0	7	false	-	Appended by chickensec on 2019-12-18 21:12:42: TryHackMeFlag Appended by joshaman on 2020-03-01 23:57:42: bop Appended by cybname on 2020-03-23 10:10:53: s Appended by kal...aya on 2020-04-20 20:51:13: Appended by kdan on 2020-04-21	add comment

more results

Network Location

Click for interactive map

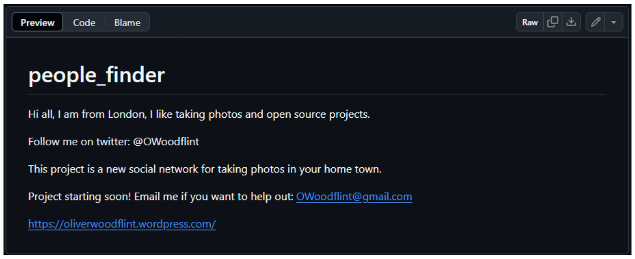
Figure 5: WiGLE.net result for the BSSID

This provides the answers to the second and third questions:

- City: **London**
- SSID: **UnileverWiFi**

2.4 GitHub Repository

Moving on to the GitHub link, we find a repository named `people_finder`.



people_finder

Hi all, I am from London, I like taking photos and open source projects.

Follow me on twitter: @OWoodflint

This project is a new social network for taking photos in your home town.

Project starting soon! Email me if you want to help out: OWoodflint@gmail.com

https://oliverwoodflint.wordpress.com/

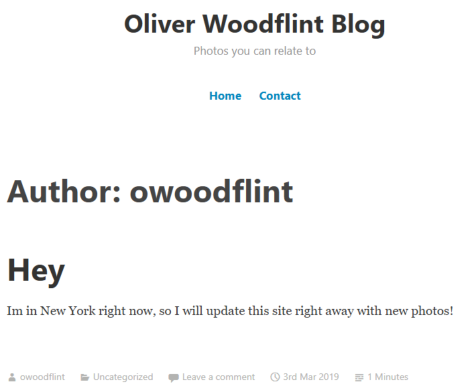
Figure 6: GitHub repository

In the `README.md` file, the user's personal email address is listed: `OWoodflint@gmail.com`. This answers the fourth and fifth questions:

- Email address: **OWoodflint@gmail.com**
- Source: **GitHub**

2.5 WordPress Blog

Next, we explore the WordPress blog. One of the posts clearly mentions a holiday destination, which answers the sixth question.



Oliver Woodflint Blog

Photos you can relate to

Home Contact

Author: owoodflint

Hey

Im in New York right now, so I will update this site right away with new photos!

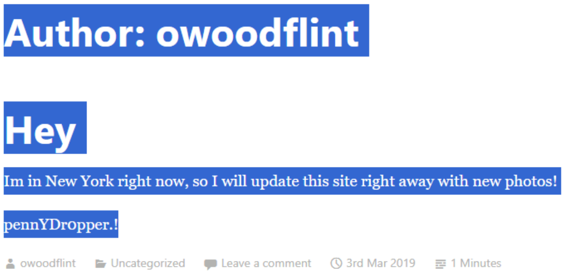
owoodflint Uncategorized Leave a comment 3rd Mar 2019 1 Minutes

Figure 7: WordPress blog post

- Holiday destination: **New York**

2.6 Hidden Password

Finding the last answer took some time. Eventually, by selecting all the content on the WordPress page (CTRL+A), we uncovered hidden text in white font on a white background.



Author: owoodflint

Hey

Im in New York right now, so I will update this site right away with new photos!

pennYDr0pper.!

owoodflint Uncategorized Leave a comment 3rd Mar 2019 1 Minutes

Figure 8: Hidden text containing the password

- Password: **pennYDr0pper.!**

3 Conclusion

This challenge demonstrates how even minimal information—such as a single image—can be leveraged to uncover detailed personal data through open-source intelligence. By systematically analyzing metadata, social media, and public repositories, we were able to identify the user's avatar, location, email, WiFi network, and even their password. This exercise highlights the power of OSINT tools and also underscores the importance of maintaining strong privacy hygiene online.

Figure 9: Badge