TryHackMe Room Write-up

Title: Digital Footprint

Description: Beginner friendly OSINT challenge.

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The Leaked Photo

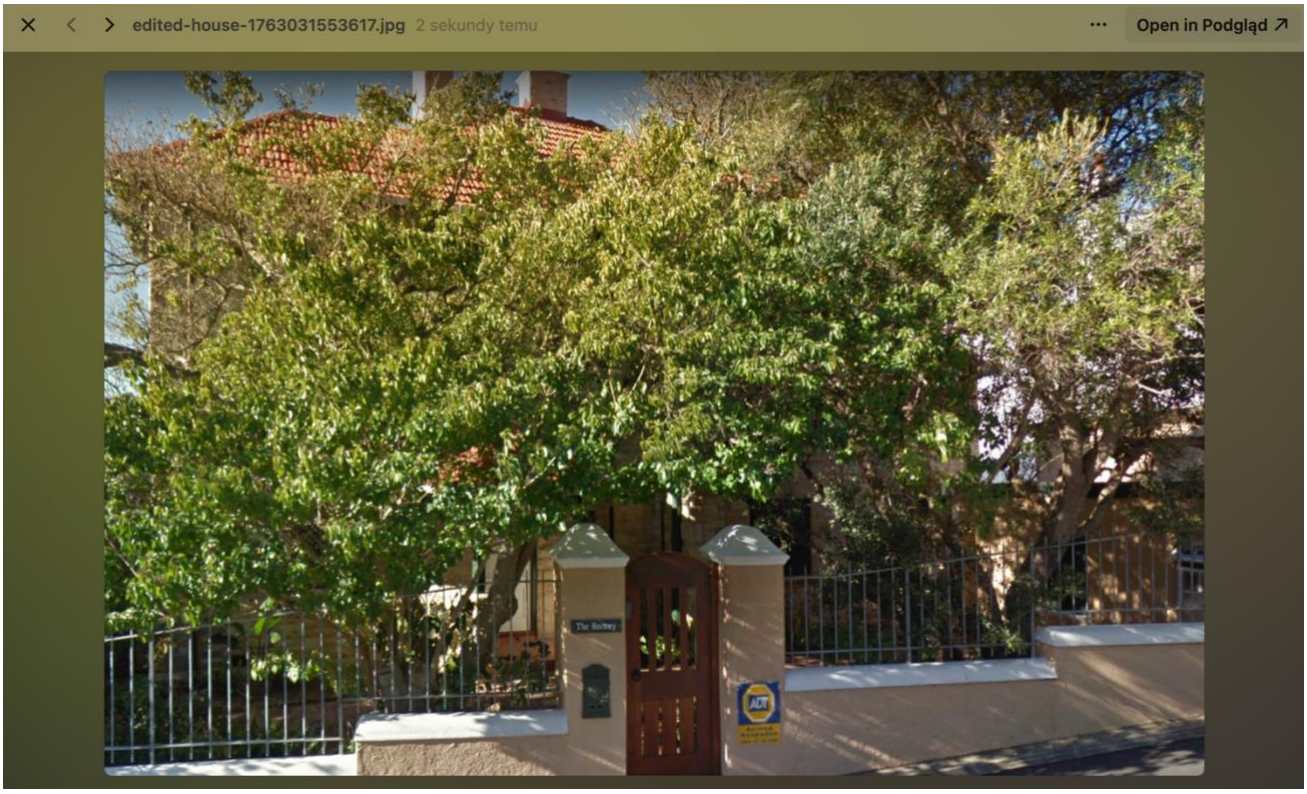
Description: *An ACME Jet Solutions employee uploaded a photo of a residential property believed to be linked to ACME Jet's early operations. Can you figure out where the picture was taken to confirm or debunk the rumour?*

Flag format: THM{City}

***Objective**: In which city was the photo taken?*

***Tools**: macOS, exiftool, web browser*

Let's download the photo and take a look at it.



Picture 1: Downloaded photo for 1. Task.

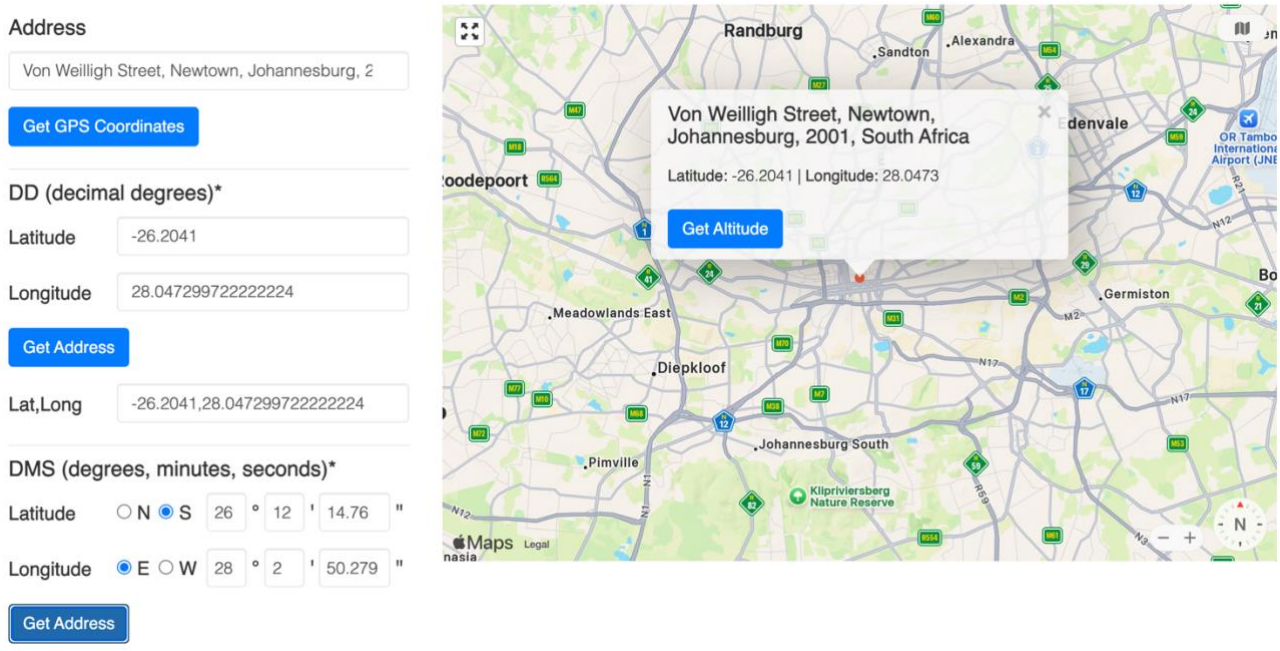
At the first glance, there isn't much. But that's why we've got tools for analysing files.

Every file contains meta data (creation date, author, GPS coordinates etc.) which is embeded into the file, but not visible for users. The exiftool allows us to dereference information.

```
> exiftool edited-house-1763031553617.jpg
ExifTool Version Number         : 12.77
File Name                       : edited-house-1763031553617.jpg
Directory                       : .
File Size                       : 793 kB
File Modification Date/Time     : 2026:02:07 10:15:36+01:00
File Access Date/Time           : 2026:02:07 10:15:39+01:00
File Inode Change Date/Time     : 2026:02:07 10:15:36+01:00
File Permissions                : -rw-r--r--
File Type                       : JPEG
File Type Extension             : jpg
MIME Type                       : image/jpeg
Exif Byte Order                 : Big-endian (Motorola, MM)
GPS Latitude                    : 26 deg 12' 14.76"
GPS Longitude                   : 28 deg 2' 50.28"
JFIF Version                    : 1.01
Resolution Unit                 : None
X Resolution                    : 1
Y Resolution                    : 1
Image Width                     : 1306
Image Height                    : 837
Encoding Process                : Baseline DCT, Huffman coding
Bits Per Sample                 : 8
Color Components                : 3
Y Cb Cr Sub Sampling            : YCbCr4:4:4 (1 1)
Image Size                      : 1306x837
Megapixels                      : 1.1
GPS Position                    : 26 deg 12' 14.76", 28 deg 2' 50.28"
```

Picture 2: Meta data of downloaded photo.

We're lucky to have obtained the exact coordinates of the photo. We can just enter them into proper maps website.



Picture 3: Coordinates enter in webstie https://www.gps-coordinates.net/

Archived Company Website

Description: *ACME Jet Solutions (warc-acme.com/jef/), is all over social meda claiming they were founded in 2025 and that they're the fastest-growing data company in Africa.*

But something doesn't add up, one of their ex-employees ensures you that the company existed long before that.

Your job as an OSINT investigator is to verify their founding date using only public information.

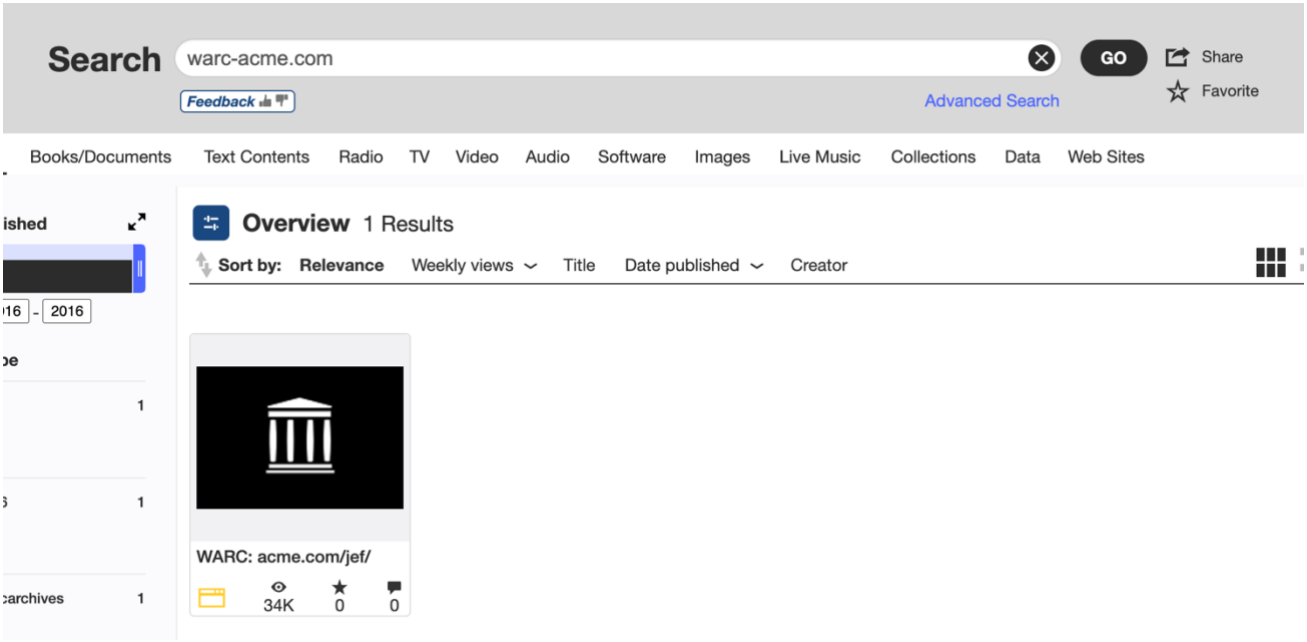
Flag Format: THM{YYYYMMDDHHMMSS}

***Objective**: When was the website first published on the internet?*

***Tools**: macOS, web browser*

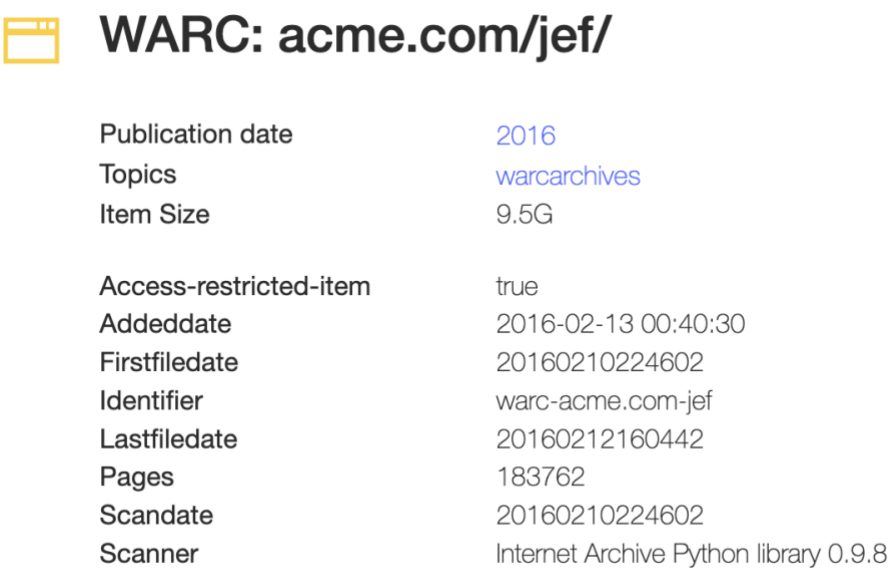
This time we have no files, but we have an website address. The task's name containes words „Archived" and „website". There's literally an website Archive called WayBack Machine, which allows us to enter any website at any point of it's existence in the internet.

Picture 4: Entering the URL address in WayBack Machine.



Picture 5: The results of the search.

Let's click on our only result and see what was the creation date.



Picture 6: Data of the website.

Our flag is Firstfiledate.

Mysterious Landmark

Description: Further Investigation uncovers another image believed to be connected to the company's international expansion.

Research reveals that to the right of the iconic landmark is a building that played a big role in the fight for independence of a particular country. Signs on the external wall provides the name of the building.

Submit the name of building translated into English as the flag.

The flag format is THM{Landmark}

***Objective**:* What is the landmark?

***Tools**: macOS, web browser*

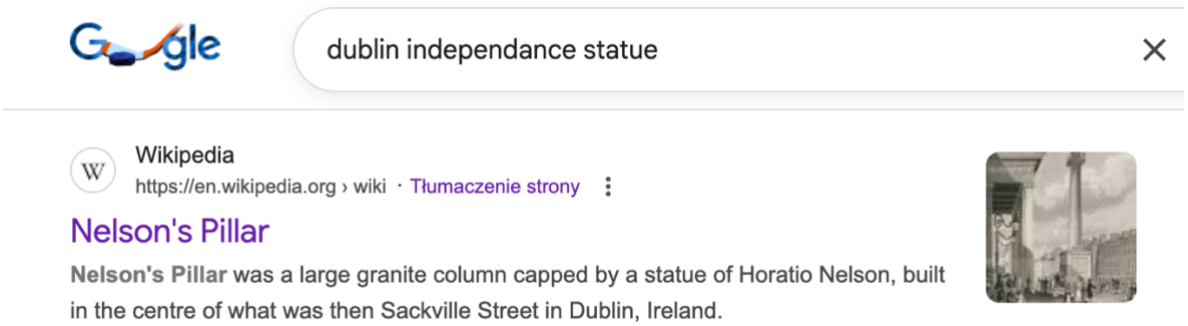
Just to warn you, there's no usable meta data in the photo, so we need to use our good ol' eyes to figure out what is the building (we're not looking for the statue's name!).

Let's see what we can tell from the picture.

Picture 7: Downloaded photo for 3. Task.

Picture 8: Enhanced photo from Task 3.

Okay! We're in Dublin. We also know that this landmark was important for fight for independance of the country. Let's search for „dublin independance statue" and see what pops out.



Picture 9: Searching for landmark in Google.

This Wikipedia page seems promising. Let's scroll through and see if this is the same statue that's on our picture.

Replacements [edit]

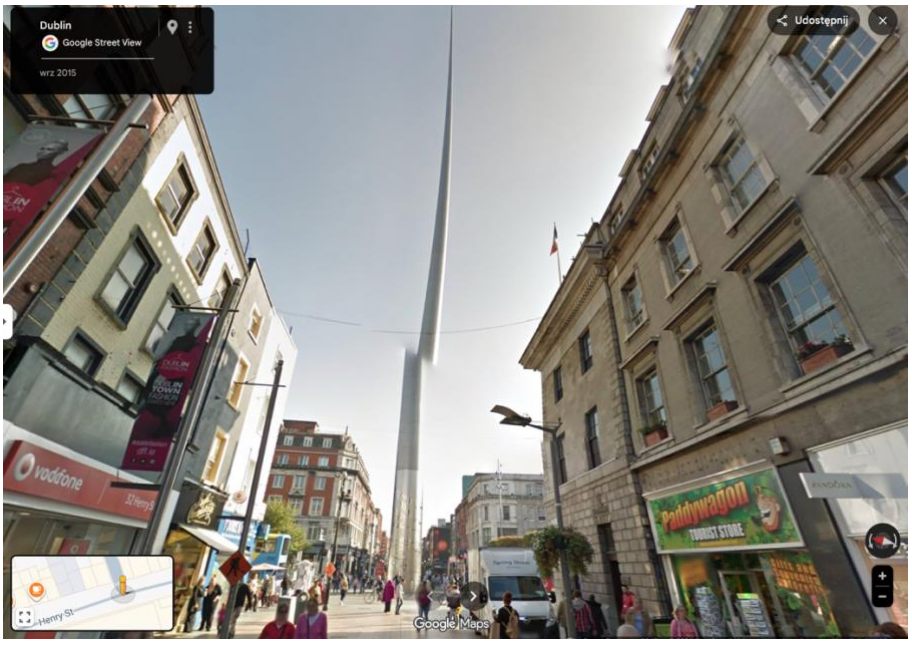
On 29 April 1969 the Irish parliament passed the Nelson Pillar Act, terminating the Pillar Trust and vesting ownership of the site in Dublin Corporation. The trustees received £21,170 in compensation for the Pillar's destruction, and a further sum for loss of income.[108] In the debate, Senator Owen Sheehy-Skeffington argued that the Pillar had been capable of repair and should have been re-assembled and rebuilt.[109]

For more than twenty years the site stood empty, while various campaigns sought to fill the space. In 1970 the

The Spire of Dublin, erected in 2003, viewed from Henry Street

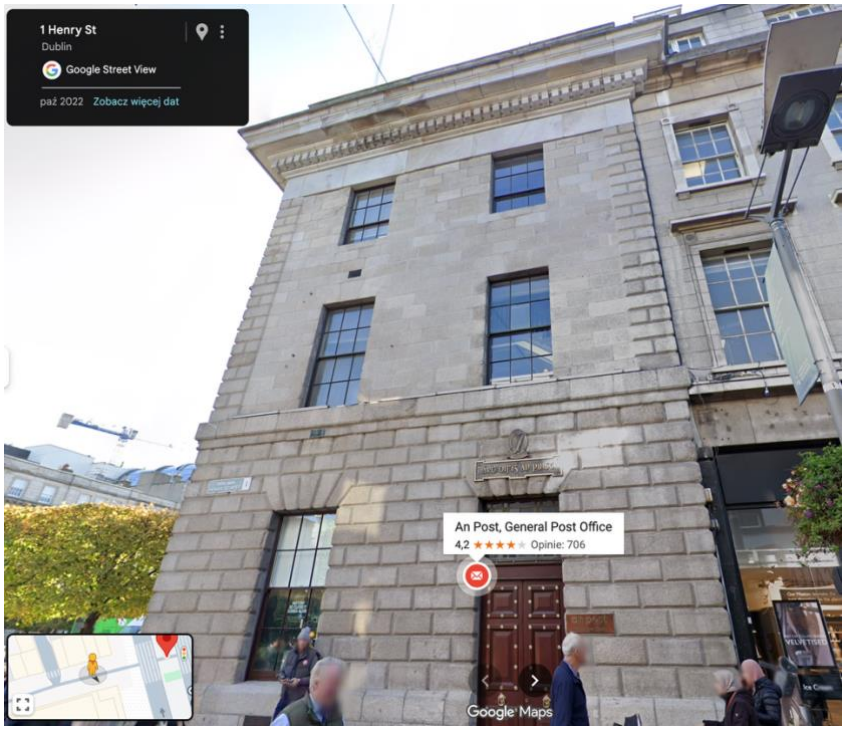
Picture 10: Fragment of Wikipedia page with wanted landmark.

Bingo! We've got the name and address. But that's not our objective, we need to look for the building *to the right* of the Spire. Let's go to Google Maps and walk around with Street View.



Picture 11: Google Maps Street View of the photo.

I clicked around to find the same narrow street and buildings around where the photo was taken. There are banners to the left which helped us identify the city and our mysterious building to the right with flag on it (same as in the picture).



Picture 12: Identifying the wanted building.

It's General Post Office, and so is the flag.

Internal Documents

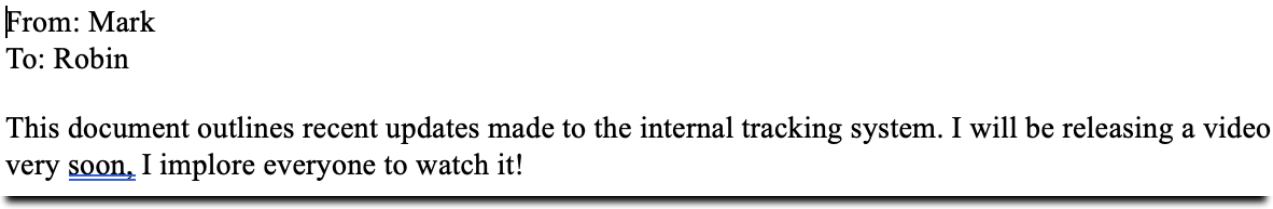
Description: *After uncovering ACME Jet Solutions origins and tracing their online presence through archived websites and international landmarks, investigators believe that an internal document was accidentally leaked by one of the company's developers.*

The document may contain crucial information about the individual responsible for maintaining their systems.

***Objective**:* What is the final flag?

***Tools**: macOS, web browser, exiftool*

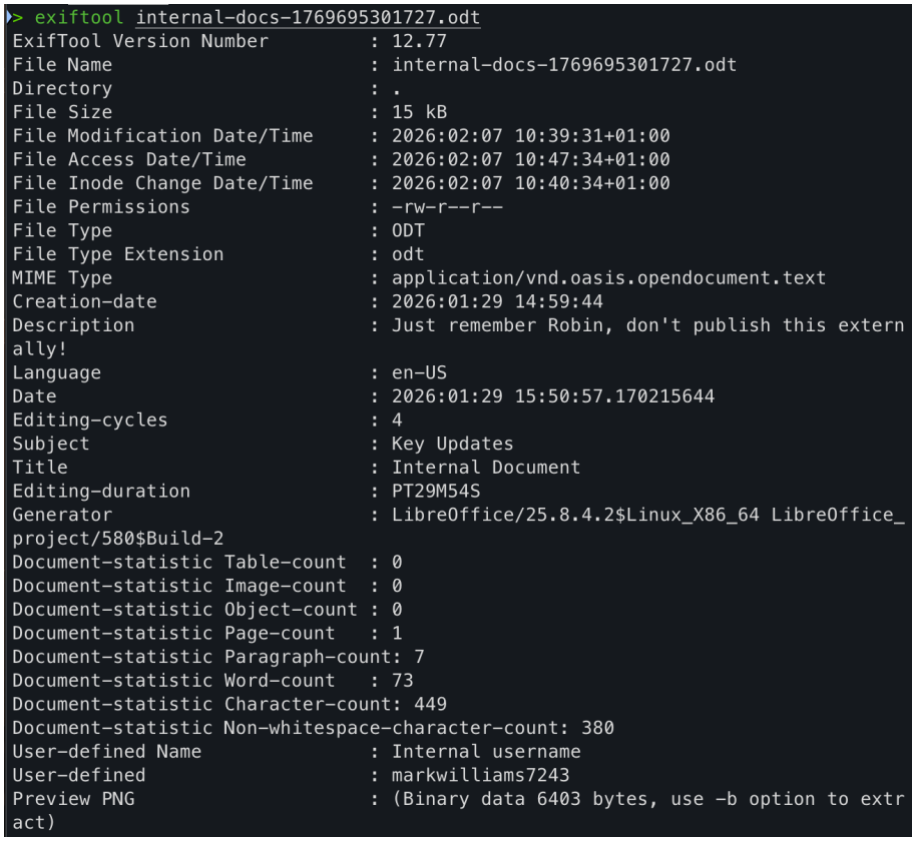
Okay, let's take a look inside the document.


From: Mark
To: Robin

This document outlines recent updates made to the internal tracking system. I will be releasing a video very soon, I implore everyone to watch it!

Picture 13: Fragment of contents of the document.

Okay, so Mark is realising a video. Let's take notice, that description emphesises on document containing crutial information about one individual. So we know it's Mark, but we need some more information about him. Let's see if exiftool will be helpful this time.


```
> exiftool internal-docs-1769695301727.odt
ExifTool Version Number         : 12.77
File Name                       : internal-docs-1769695301727.odt
Directory                       : .
File Size                       : 15 kB
File Modification Date/Time     : 2026:02:07 10:39:31+01:00
File Access Date/Time           : 2026:02:07 10:47:34+01:00
File Inode Change Date/Time     : 2026:02:07 10:40:34+01:00
File Permissions                : -rw-r--r--
File Type                       : ODT
File Type Extension             : odt
MIME Type                       : application/vnd.oasis.opendocument.text
Creation-date                   : 2026:01:29 14:59:44
Description                     : Just remember Robin, don't publish this extern
ally!
Language                        : en-US
Date                            : 2026:01:29 15:50:57.170215644
Editing-cycles                  : 4
Subject                         : Key Updates
Title                           : Internal Document
Editing-duration                : PT29M54S
Generator                       : LibreOffice/25.8.4.2$Linux_X86_64 LibreOffice_
project/580$Build-2
Document-statistic Table-count  : 0
Document-statistic Image-count  : 0
Document-statistic Object-count : 0
Document-statistic Page-count   : 1
Document-statistic Paragraph-count: 7
Document-statistic Word-count   : 73
Document-statistic Character-count: 449
Document-statistic Non-whitespace-character-count: 380
User-defined Name               : Internal username
User-defined                    : markwilliams7243
Preview PNG                     : (Binary data 6403 bytes, use -b option to extr
act)
```

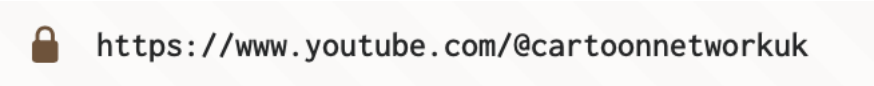
Picture 14: Meta data of the document.


```
User-defined                    : markwilliams7243
```

Picture 15: Crutial information found in meta data of the document.

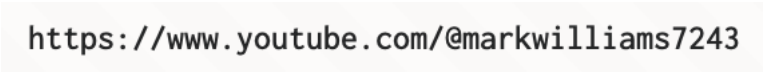
It seems that Mark has a whole nickname hidden in meta data of the file. He's posting a video, so let's check if he has a channel on platform made for sharing videos.

Notice, that channels in YouTube URL are in specific format:

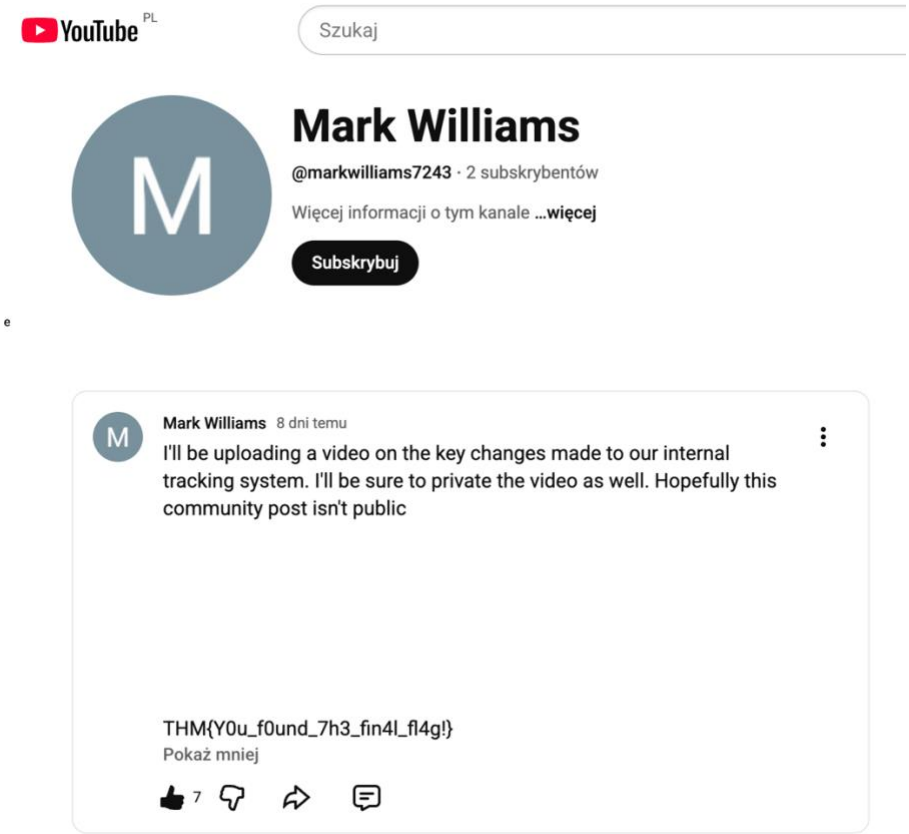


Picture 16: URL YouTube channel format.

Let's use that to find Mark's channel by his exact nickname.



Picture 17: URL with Mark's nickname.



Picture 18: Mark Williams's YouTube channel with wanted flag.

We found the flag in the post he posted! Hope you had fun.