



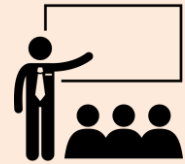
Porto Business School

19/05/2025

Agenda



Disclaimer & Legal Considerations



Presentation is solely for educational and awareness purposes.



Live content may be unpredictable and potentially inappropriate for some viewers.



Users must check the legality of OSINT tools and methods in their country.



This presentation is not related to my work or employer.



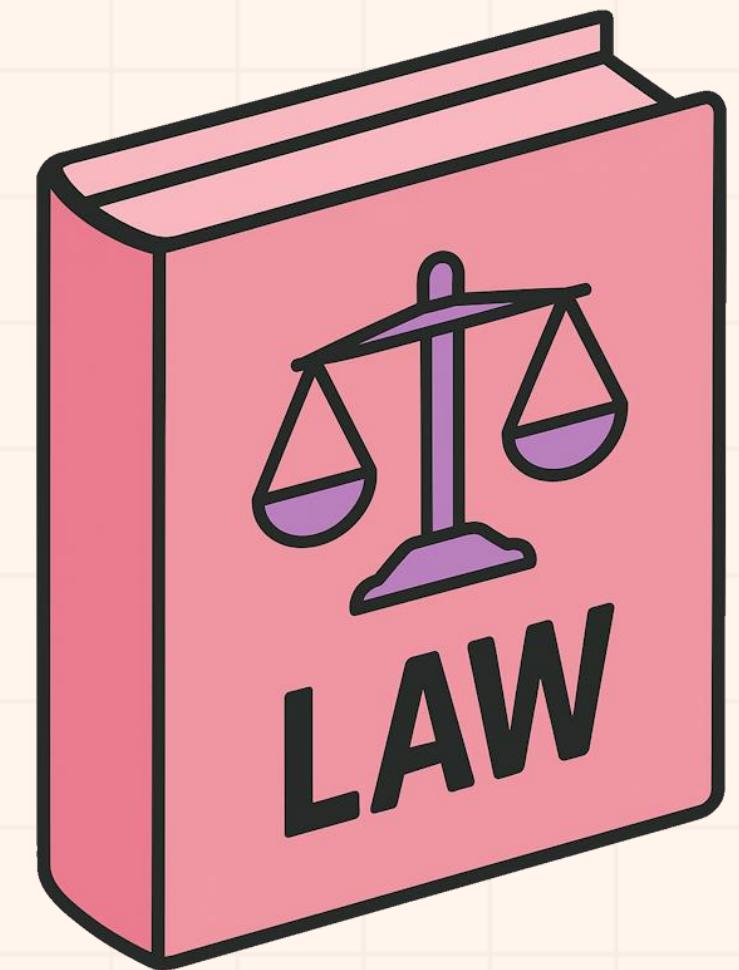
Disclaimer & Legal Considerations

- **Portuguese Law**

- Diário República Eletrónico ([link](#))
- ANACOM ([link](#))

- **Organizations**

- CNCS – Centro Nacional de Cibersegurança ([link](#))
 - Incident Notification ([link](#))
 - CERT.PT ([link](#))
- Unidade Nacional de Combate ao Cibercrime e à Criminalidade Tecnológica (UNC3T) ([link](#))
- Ministério Público ([link](#))



Disclaimer & Legal Considerations

ARTIFICIAL INTELLIGENCE

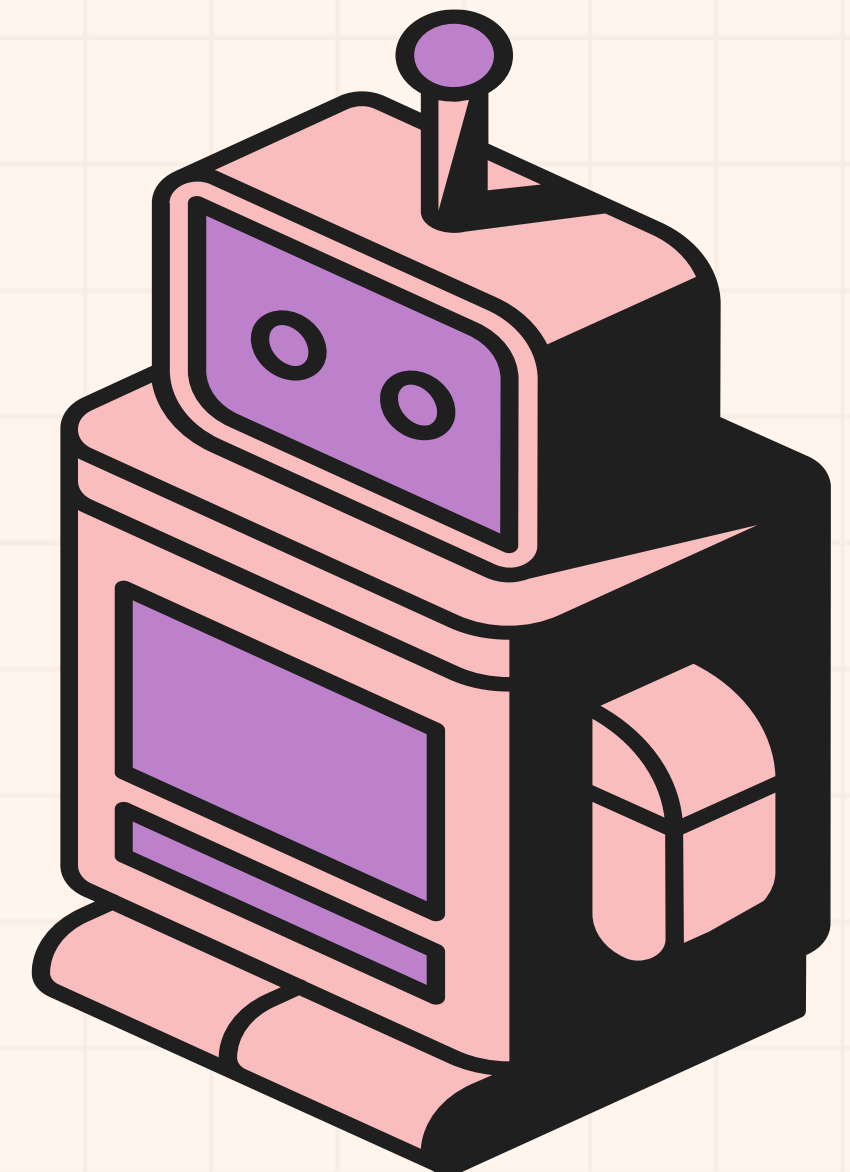
Was heavily used for this presentation

Use available technologies but check facts.

Always check facts.

AI is more than ChatGPT. Grok, Claude, ...

Use them all.



\$whoami

🕶️ Pedro António Oliveira Vieira

🔒 Cybersecurity Engineer

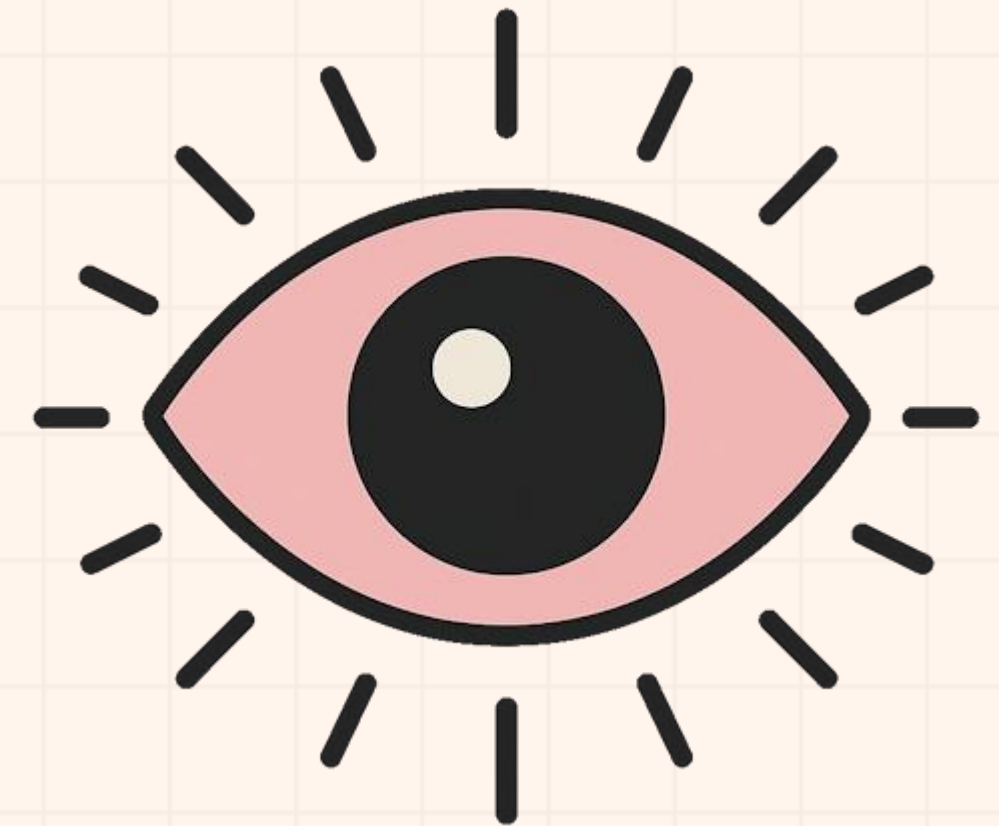
🕵️ OSINT

🖋️ Full stack developer

👤 Public Speaker



AWARENESS



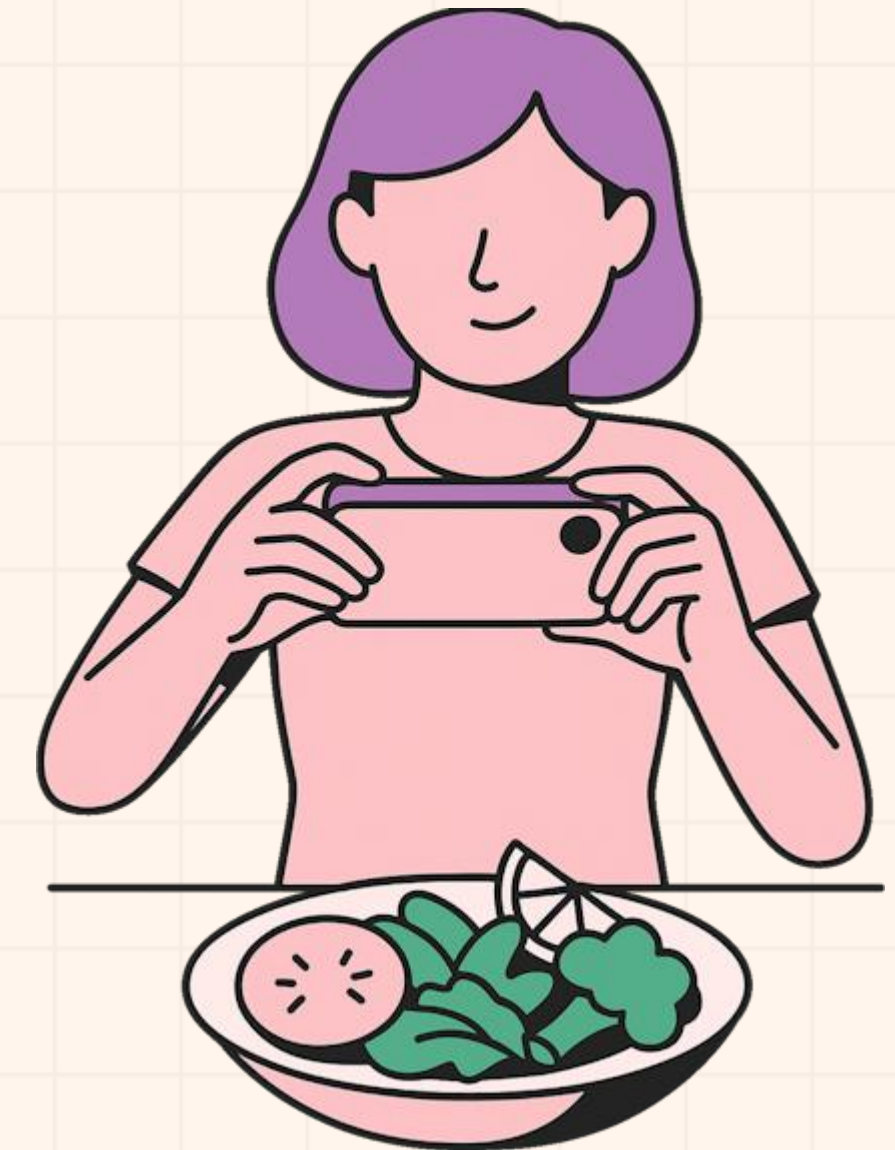
Awareness - True stories – Quiet vacations

- Long last deserving vacations
 - Too many friends at destination
 - So, warn no one and just relax on vacations
- I posted a picture on social media
 - My friends were alerted I was nearby
 - Friends on that location called me on the phone
 - Everyone else knew I was not home
 - **Burglars love that kind of information**
 - Not public profile. At least I think it is not (rules change)
 - Someone could have shared the photo with the world



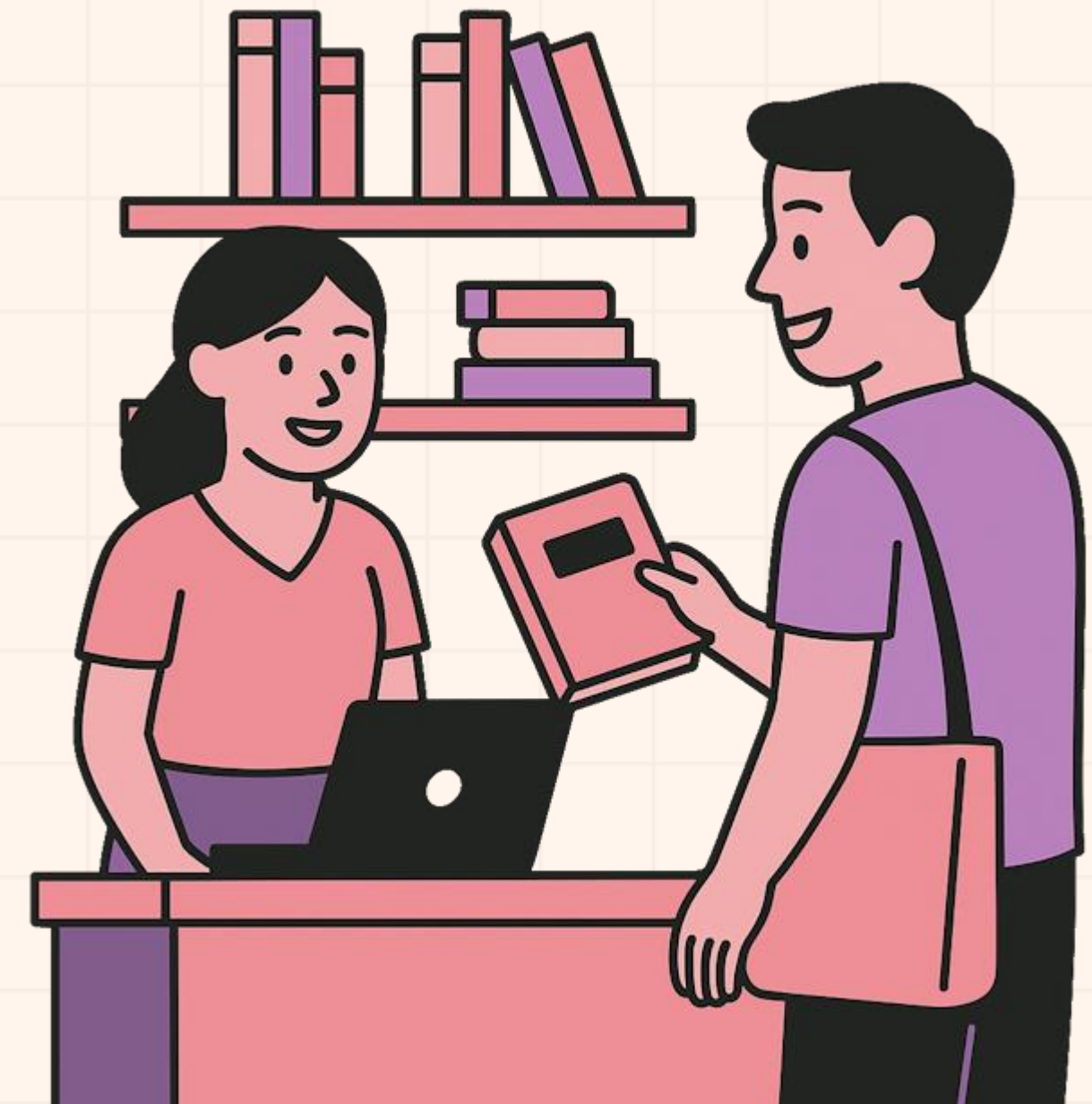
Awareness - True stories – Healthy Meal

- Someone posted a photo of healthy meal during COVID
 - Working remotely on in the usual business environment
 - Company laptop was in the background
 - Zoomed in and was possible to read emails
 - Company private information could be leaked
 - **Personal information of other persons was showing**
- Social Media Networks use OCR
 - Means they also read the emails
 - And everyone else on that social media could get the same information



Awareness - True stories – Store Credit

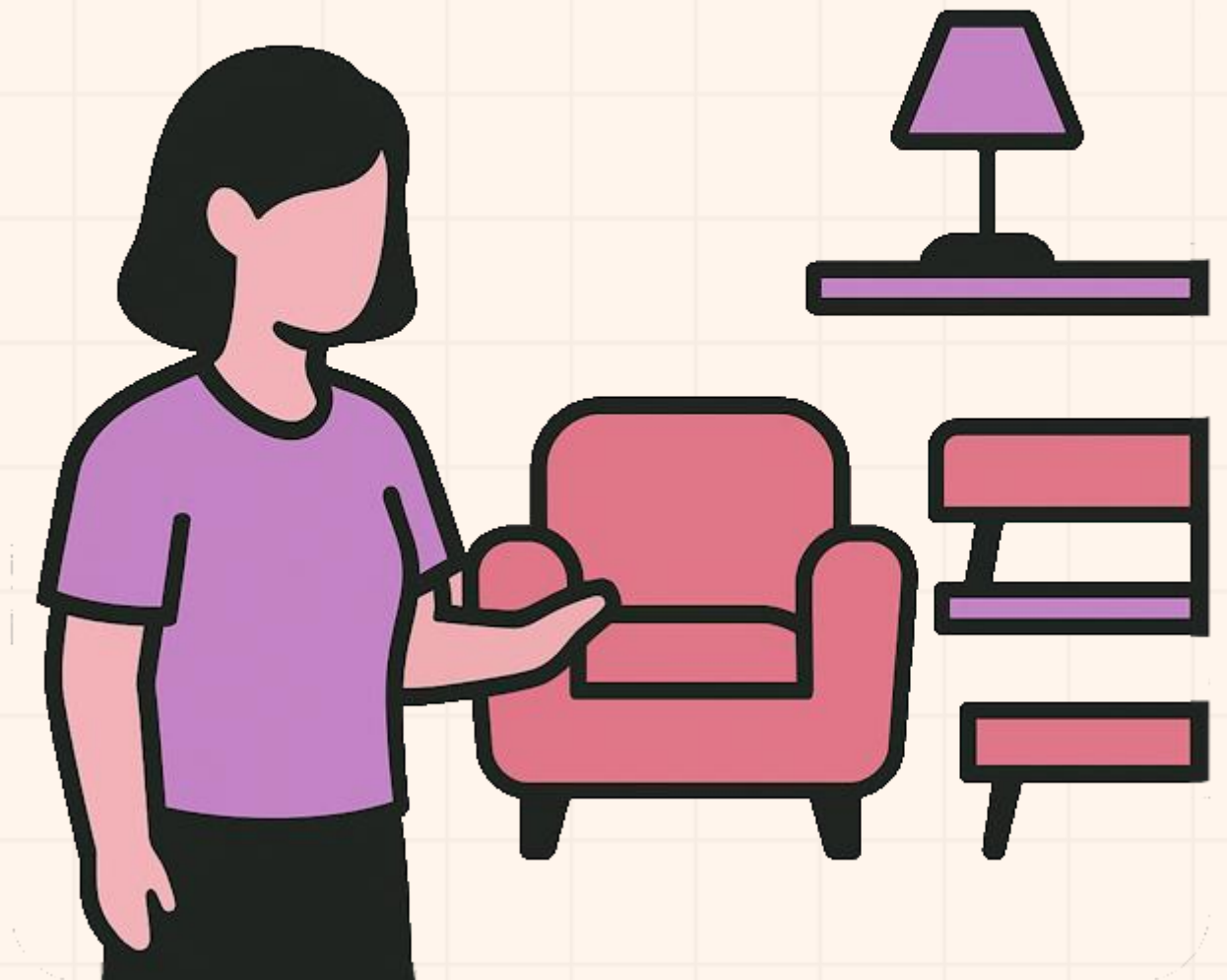
- Buying a book for almost no money
 - How I was able to get money just by having the right information
 - Store clerk asked for store customer card
 - Gave mobile number and full name
 - Store clerk asked if I wanted to use balance credit
 - I accepted and little had to pay
 - **Mobile number and full name were not mine**



Awareness - True stories - Customer Information (RGPD)

- Requesting invoice with NIF (not mine)
 - Invoice containing:
 - Name
 - Address (Shipping address)
- Adding store loyalty card with phone number
 - Invoice containing:
 - Name
 - Address (Shipping address)
- Updating someone's client data in store counter
 - Phone number
 - Email and address

FURNITURE STORE



OSINT

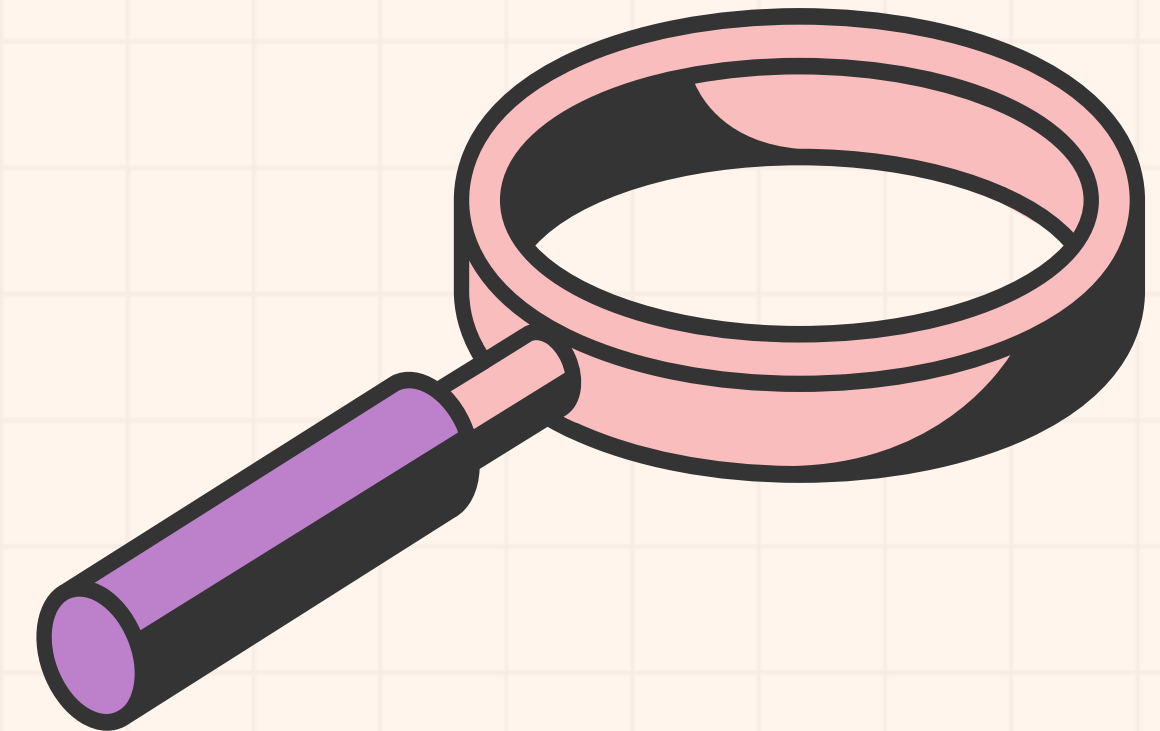


OSINT - Definition

Open-source intelligence (OSINT) is the collection and analysis of data gathered from open sources (overt and publicly available sources) to produce actionable intelligence. ([Wikipedia](#))

Gathering information from:

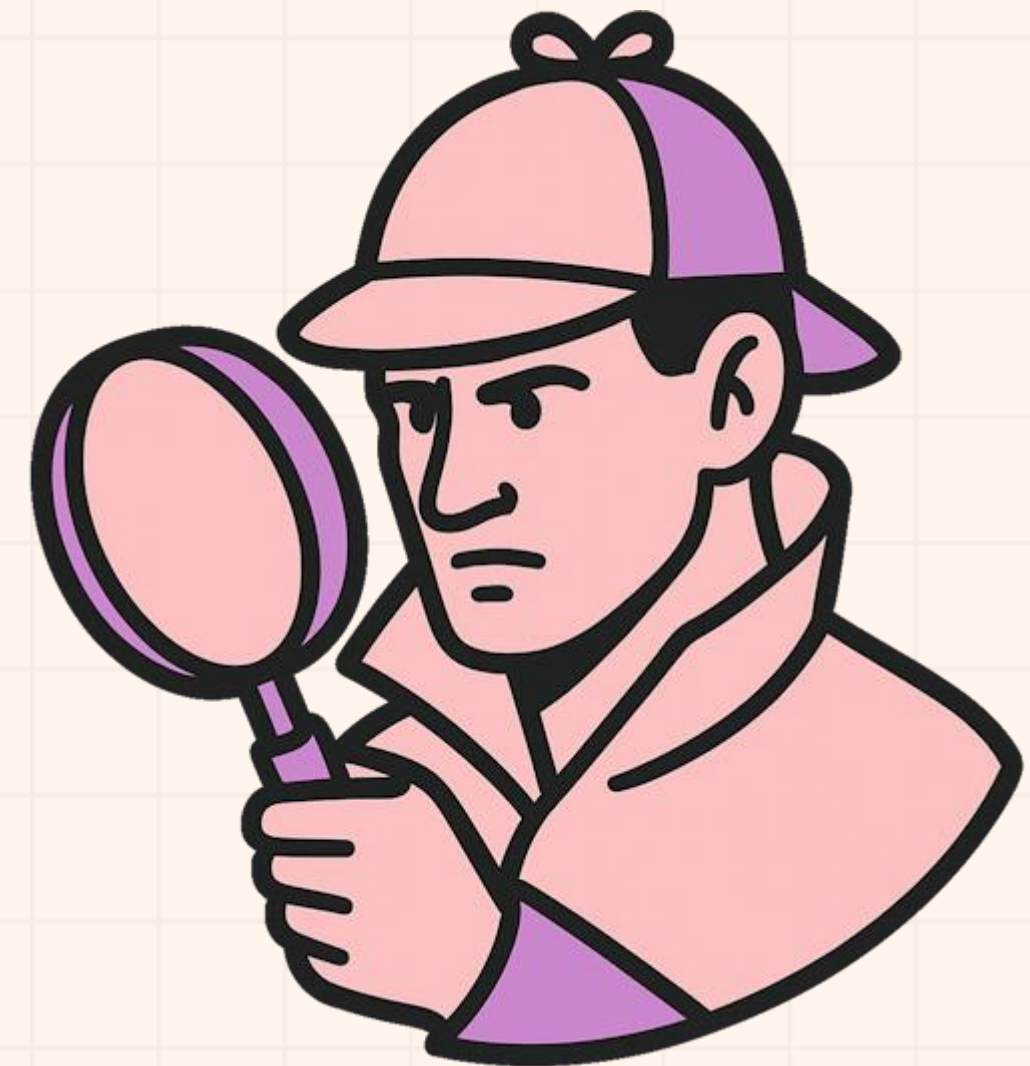
- government sites
- search engines (Google, ...)
- social media (Facebook, ...)
- maps
- ...



And then extract/relate/infer new information with greater value/potential

OSINT Time

“Information is not knowledge”
Albert Einstein



Who am I? – Let's OSINT me

- Starting with just a name
 - Pedro António Oliveira Vieira
- Google ([link](#))
- Google “Improved Search” ([link](#))
- Google “Improved Search” + Company ([link](#))
- LinkedIn ([link](#))
 - Anonymous view (Just keep trying)
 - Public profile was showing way too much
- My GitHub notes ([link](#))
- Search, and then search again



Who am I? – Let's OSINT me – AI version



What can you tell me about "Pedro Vieira". He is into cybersecurity and OSINT?

Pedro Vieira is a notable Portuguese cybersecurity professional with a strong focus on ethical hacking and open-source intelligence (OSINT).



Career Highlights

Top EC-Council Ethical Hacker: In January 2022, Pedro Vieira achieved the highest score globally on the EC-Council's Certified Ethical Hacker (C|EH) Practical exam, earning the prestigious C|EH Master credential.

Conference Speaker: Pedro was a featured speaker at RootedCON Portugal 2024, one of the country's leading cybersecurity conferences. His talk, titled "OSINT. Beware your data is out there," explored how publicly available information can be used to uncover sensitive data and highlighted the importance of privacy awareness.



OSINT Contributions

GitHub Repository: Pedro maintains a comprehensive GitHub repository dedicated to OSINT. This resource includes:

- Guides and notes on OSINT techniques
- Write-ups from platforms like TraceLabs and Hacktoria
- Training materials and curated tool lists
- Links to OSINT handbooks and educational videos

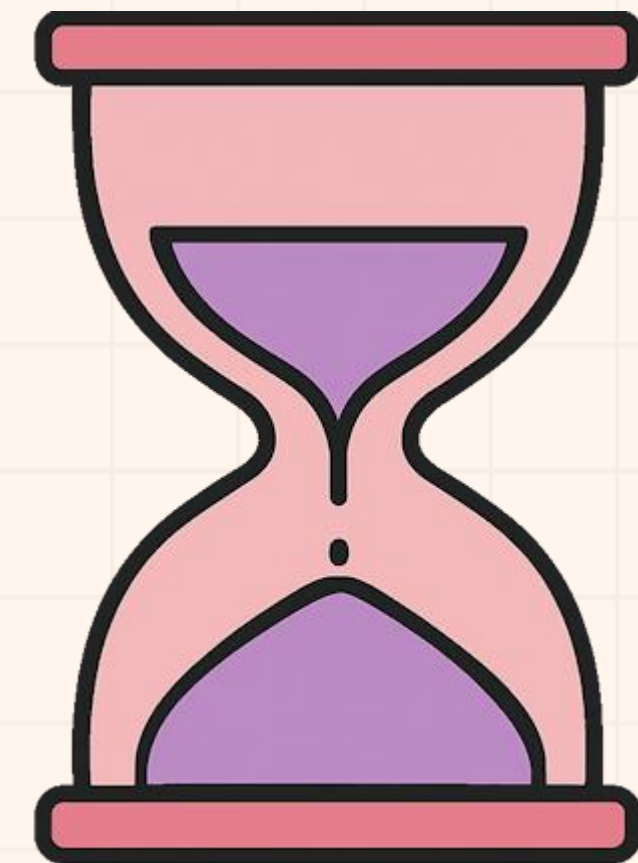
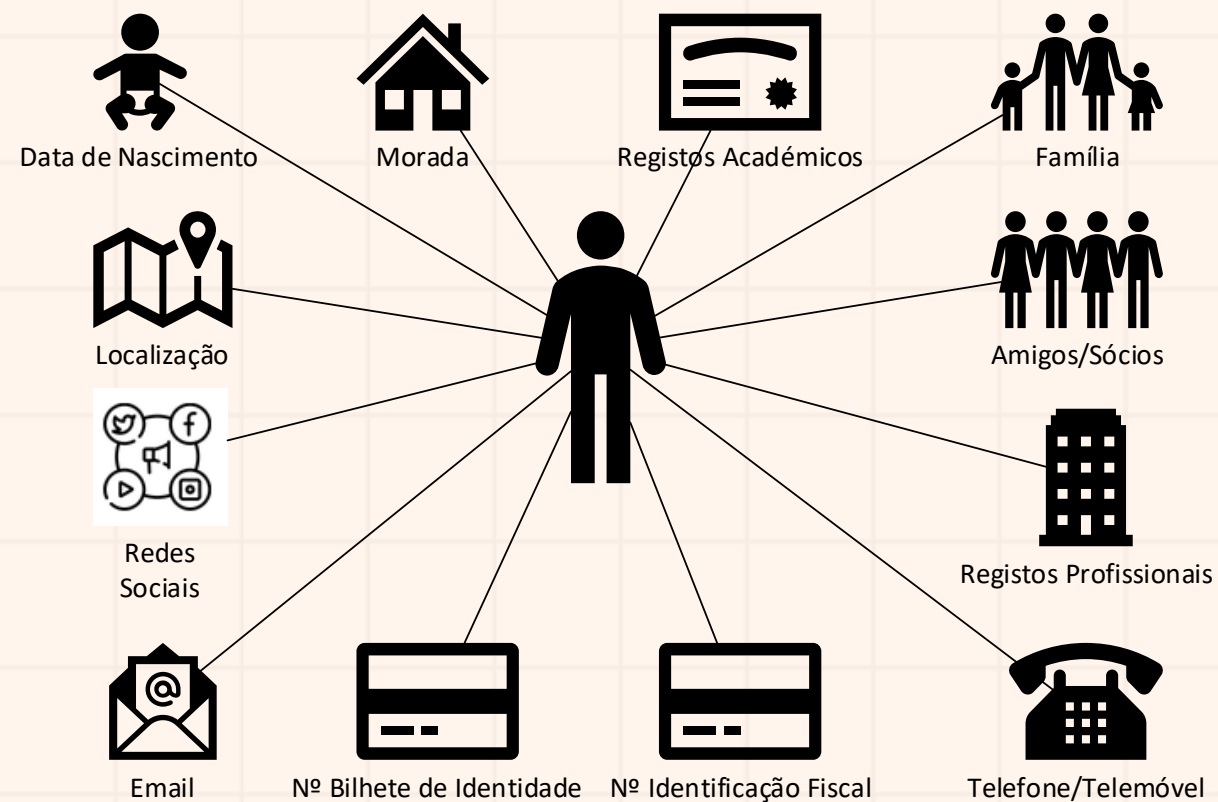


Professional Role

Cybersecurity Engineer at Bosch: Pedro has been serving as a cybersecurity engineer at Bosch Group in Braga, Portugal, since January 2020.

Who Are You? – Search yourself

- Search your name on Google and analyze the results
 - As you saw the search can be improved



EXERCISE TIME

- That is typically information to **verify your identity** over a phone call.

Search Engines - Internet is more than Google

- Different search engine ➡ different rules/crawlers ➡ different results
- Google ([link](#))
- Bing ([link](#))
- DuckDuckGo ([link](#))
- Baidu (China) ([link](#))
- Yandex (Russia) ([link](#))
- SAPO (Portugal) ([link](#))



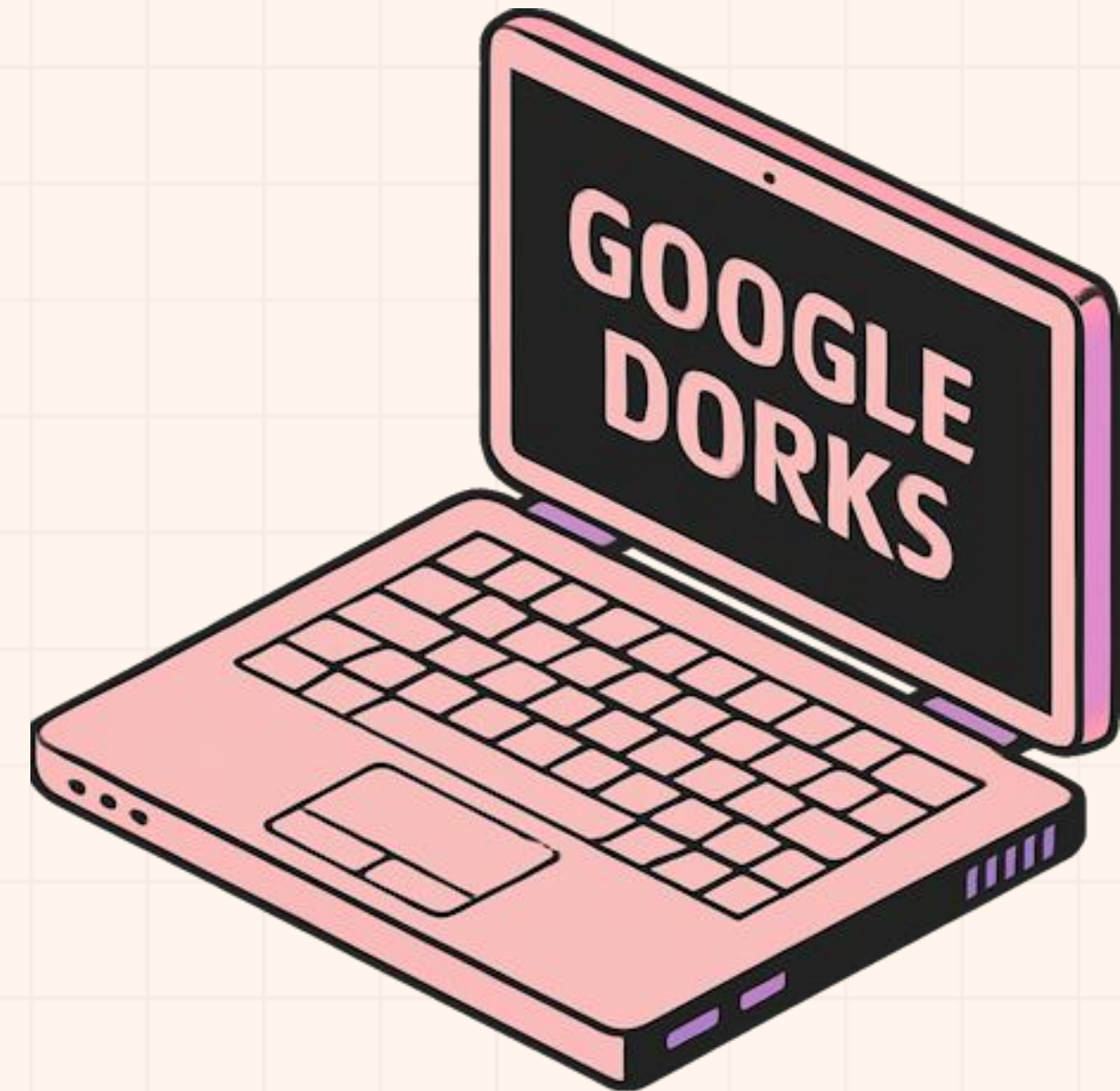
Improve the search - Search operators

- **filetype**: search your results based on the file extension
- **cache**: allows you to view cached version of the web page.
- **allinurl**: restricts results to pages containing all the query terms specified in the URL.
- **inurl**: restricts the results to pages containing the word specified in the URL
- **allintitle**: restricts results to pages containing all the query terms specified in the title.
- **link**: searches websites or pages that contain links to the specified website or page.
- **info**: finds information for the specified web page.
- **location**: finds information for a specific location.

- **42 Advanced Operators** ([link](#))

Improve the search - Google Dorks - Commonly used searches

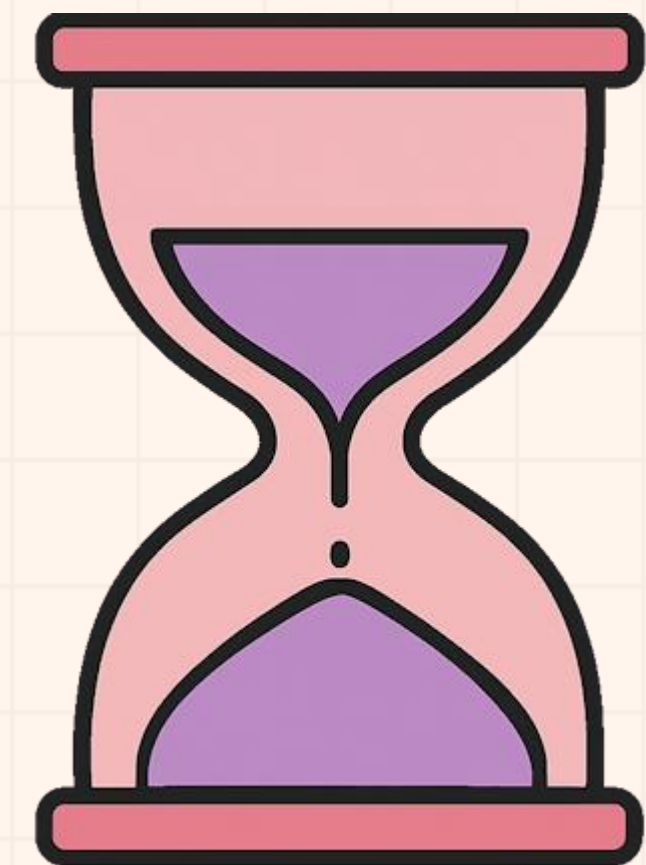
- Google Advanced Search ([link](#))
- Google Hacking Database ([link](#))
- gbhackers ([link](#))
- google-dork-list ([link](#))
- Google Advanced Operators Guide ([link](#))



Improve the search or “Go lazy” – Go IA

- LLMs are like search engines on steroids
- **LLMS / Chatbots**
 - ChatGPT ([link](#))
 - Grok ([link](#))
 - Claude ([link](#))








Models are bound by rules. They often don't provide personal information
Well, at least some commercial models



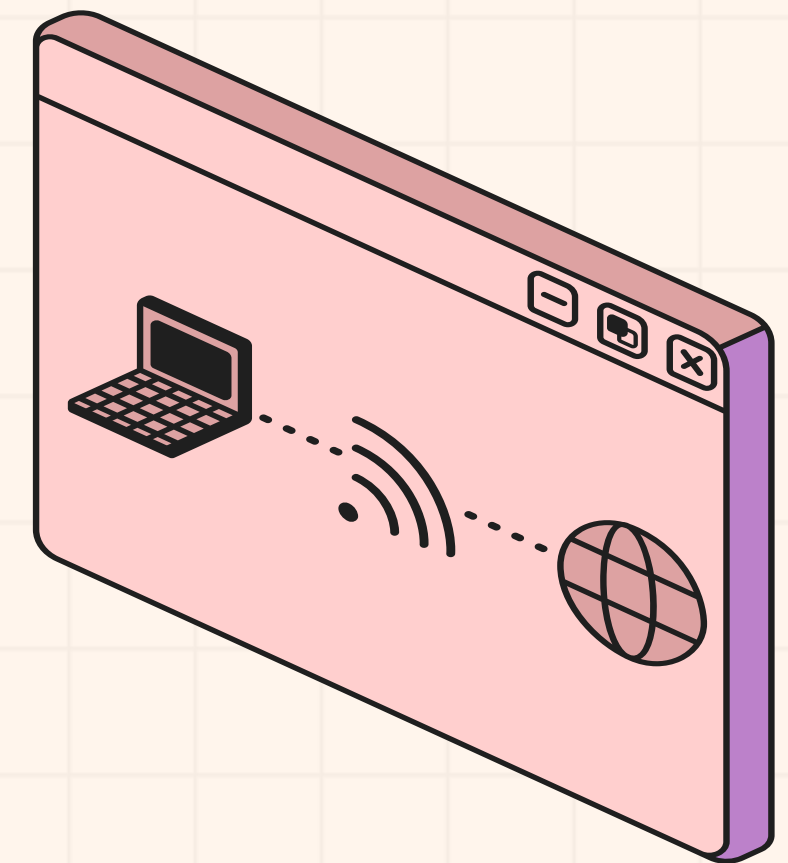
EXERCISE TIME

Search in the past - The internet knows and doesn't forget

- Posted information in private mode can be made publicly and world available by someone else
- When information is posted
 - Shows where you are at that time (habits & routines)
- The internet has memory
 - Arquivo.pt ([link](#))
 - Example ([link](#))
 - Internet Archive - Wayback Machine ([link](#))

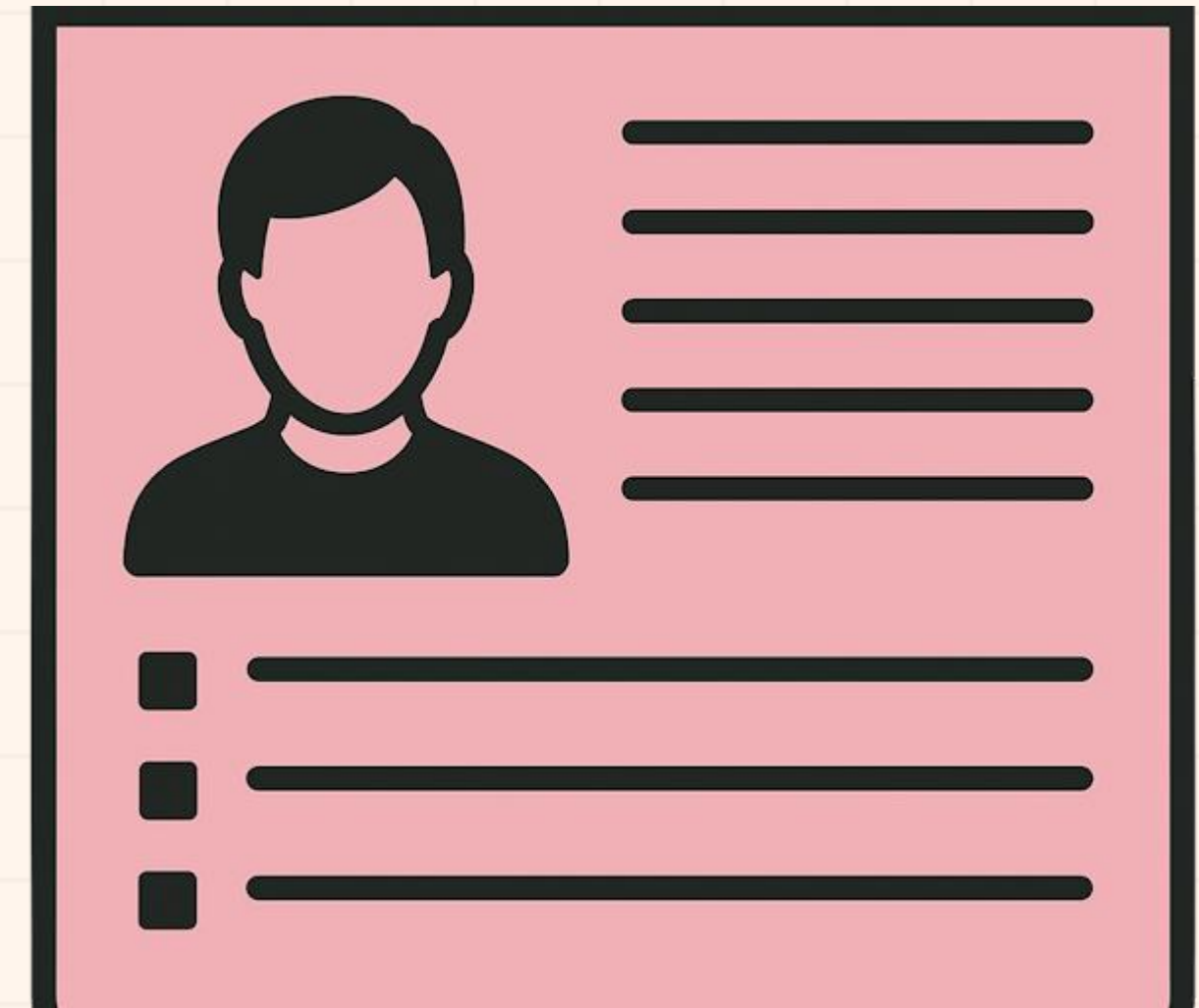
 **INTERNET
ARCHIVE**  WEB  TEXTS  VIDEO  AUDIO  SOFTWARE  IMAGES

 - Example ([link](#))



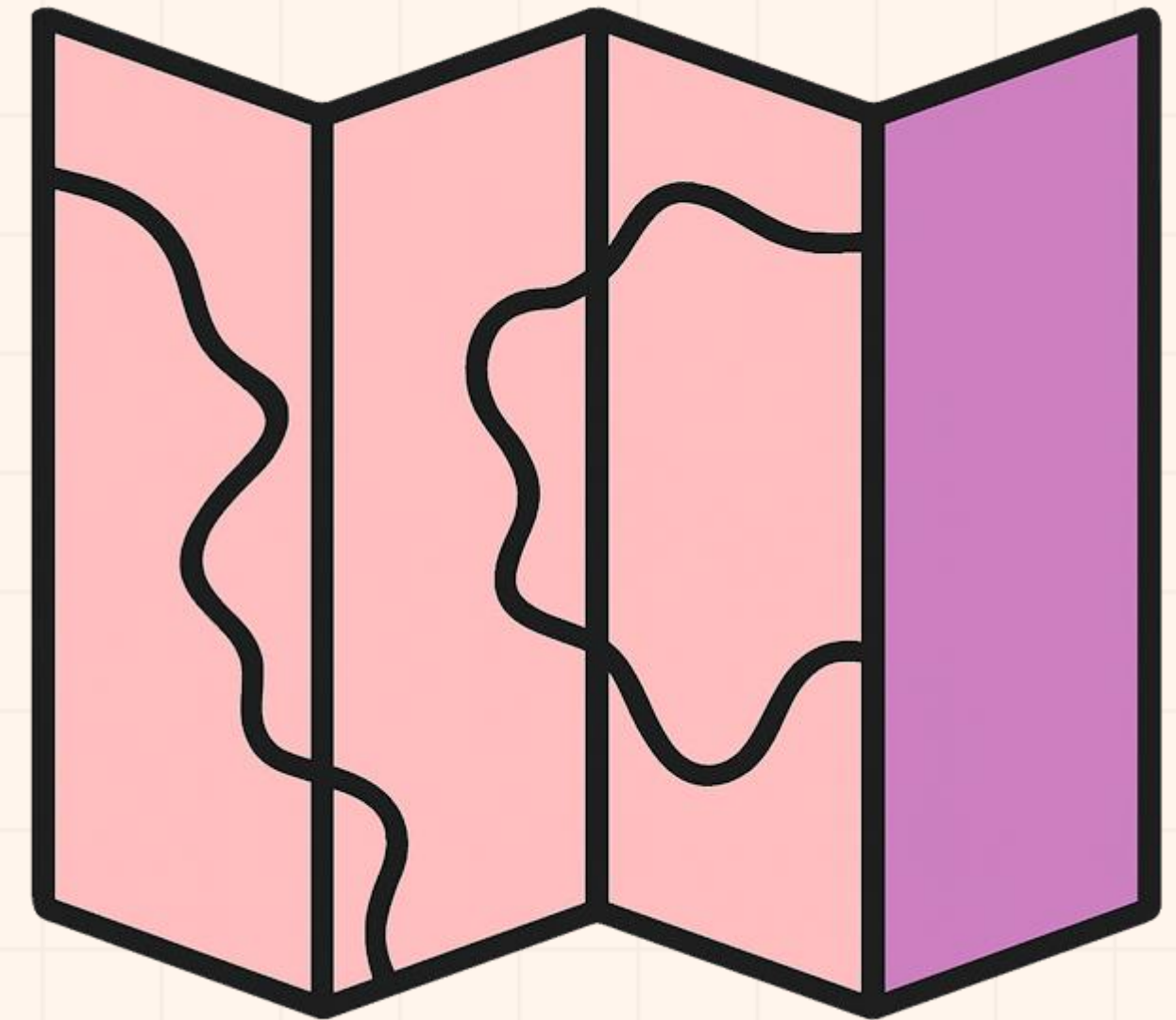
OSINT - Profile

- Phone number (Years using the same number)
 - Sync.Me ([link](#))
- Username
 - WhatsMyName ([link](#))
- Email (Username reuse)
 - Gmail ([link](#))
- Social Networks (Same username)
 - Facebook ([link](#))
 - LinkedIn ([link](#))
 - Tinder ([link](#)) ([link](#))
- If you don't have an account, I can create one and reach your friends.



OSINT - Maps

- Never been there. Know it like the back of my hand.
- Street view
 - Google Street View ([link](#))
- Map/ Satellite
 - Google Maps ([link](#))
 - Dual Maps ([link](#))
 - Overpass Turbo ([link](#))
 - Wizard: plant:source=nuclear
 - World Imagery Wayback example ([link](#))
- Tips, Tricks and Techniques ([link](#))



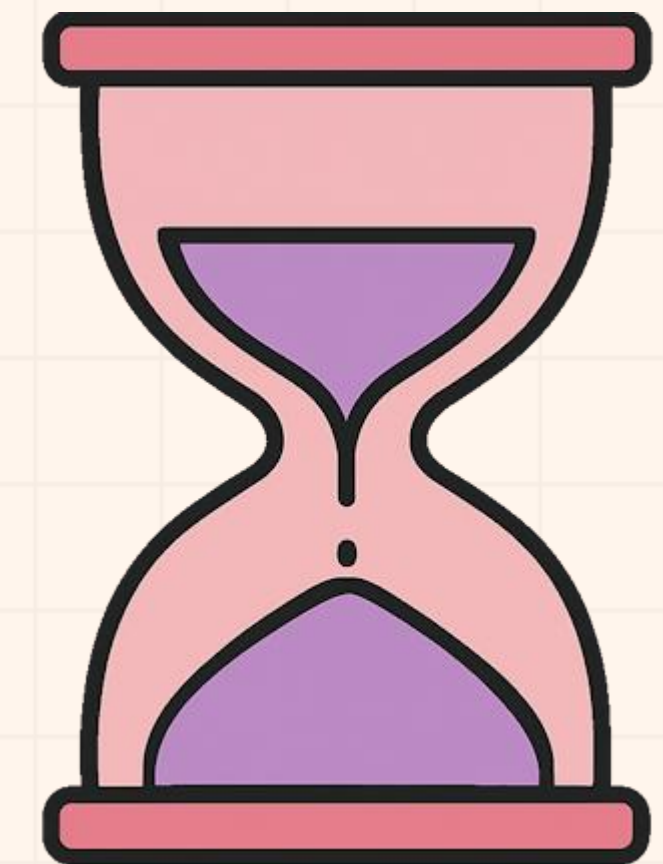
OSINT - Photos

- One image is worth 1000 words, maybe more.
 - What information can be extracted from a photo ?
- Photo analysis
 - Location ([link](#))
 - Date it was taken
 - Identifying elements in the photo
 - Boards
 - Signs
 - Flags
- The professionals (video explaining) ([link](#))



OSINT – Photos - Identify the location

- Where was this image taken?
 - Have you been there?
- When?
 - Date stamp on photo
 - Filename with date
 - Metadata
- What else?
- Image search
 - Identify the castle? ([link](#))



EXERCISE TIME

OSINT – Photos - Identify the location


- An image is worth a thousand words
- File analysis
 - Metadata
 - GPS ([link](#))
 - Google Maps ([link](#))
- Tools
 - CleanUp ([link](#))
 - AperiSolve ([link](#))

exifdata

SUMMARY
DETAILED
LOCATION
UPLOAD

SUMMARY

IMG_20190223_163027.jpg



(click for original)

2019-2-23 16:30

Camera
Xiaomi Redmi 3

GPS Position
40.989952 degrees N, 7.395051 degrees W

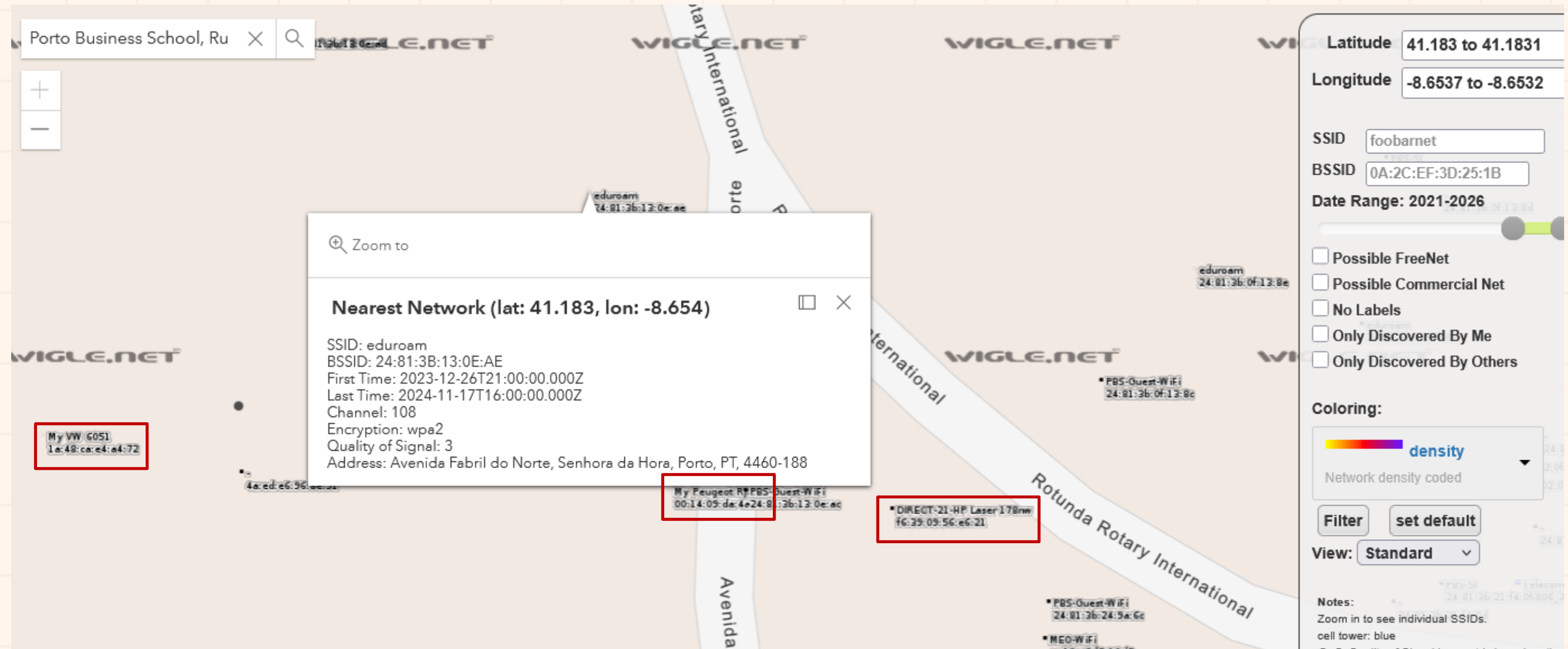
Date of Creation
2019:02:23 16:30:27

Resolution
4160x3120

| | |
|--------------------------|----------------------------------|
| Make | Xiaomi |
| Model | Redmi 3 |
| Aperture | 2 |
| Exposure Time | 1/1506 (0.00066401062416999 sec) |
| Focal Length | 4.2 mm |
| Flash | Auto, Did not fire |
| File Size | 1447 kB |
| File Type | JPEG |
| MIME Type | image/jpeg |
| Image Width | 4160 |
| Image Height | 3120 |
| Encoding Process | Baseline DCT, Huffman coding |
| Bits Per Sample | 8 |
| Color Components | 3 |
| X Resolution | 72 |
| Y Resolution | 72 |
| YCbCr Sub Sampling | YCbCr4:2:0 (2 2) |
| YCbCr Positioning | Centered |
| Exposure Program | Not Defined |
| Date and Time (Original) | 2019:02:23 16:30:27 |
| Metering Mode | Center-weighted average |
| Color Space | sRGB |
| Exposure Index | 140 |
| Sensing Method | Unknown (0) |
| Exposure Mode | Auto |
| Focal Length In 35 mm | 0 mm |
| Format | |
| Scene Capture Type | Standard |
| Gain Control | Low gain up |
| ISO | 100 |
| Compression | JPEG (old-style) |

OSINT - World Map - WiFi Networks

- Wiggle ([link](#))
- Routers
- Printers
- Cars
- IoT
- ...



OSINT - World Map - WiFi Networks

- Wiggle ([link](#))

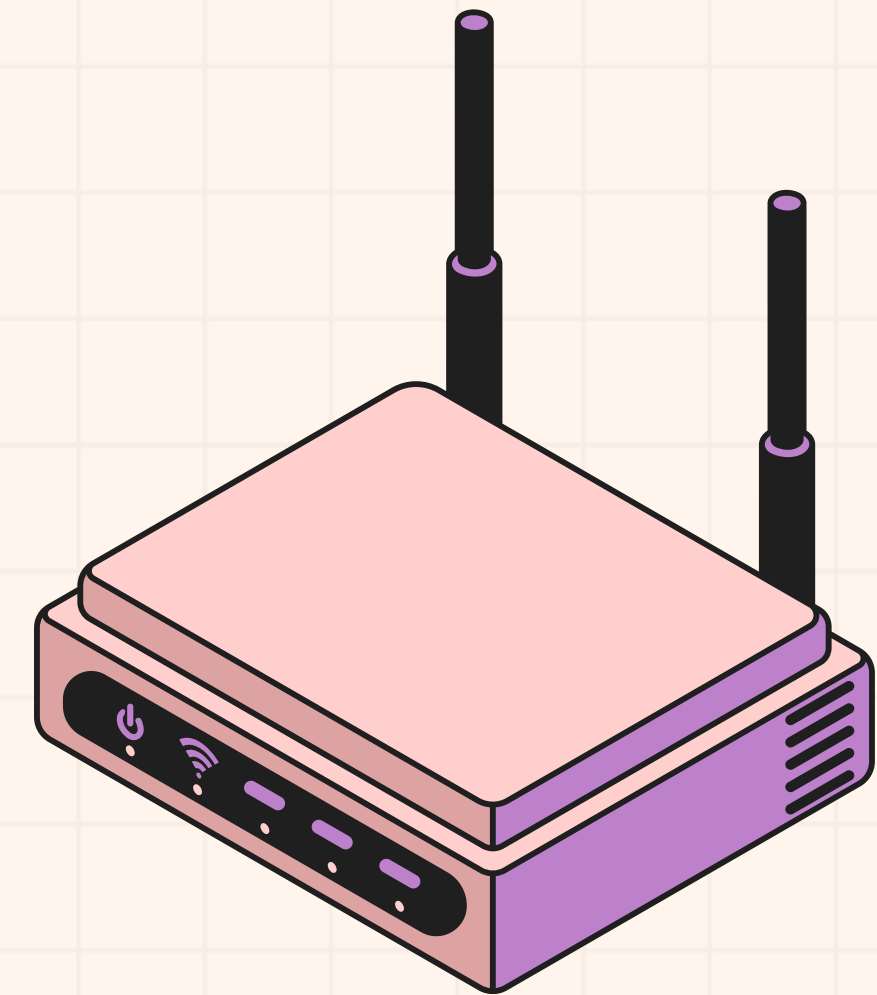
Zoom to

Nearest Network (lat: 41.183, lon: -8.654)


SSID: eduroam
BSSID: 24:81:3B:13:0E:AE
First Time: 2023-12-26T21:00:00.000Z
Last Time: 2024-11-17T16:00:00.000Z
Channel: 108
Encryption: wpa2
Quality of Signal: 3
Address: Avenida Fabril do Norte, Senhora da Hora, Porto, PT, 4460-188























The MAC address "c0:25:5c:49:A5:3A" has been assigned by the IEEE to:

| | |
|--------------|--|
| MAC-Segment: | C0:25:5C:00:00:00 - C0:25:5C:FF:FF:FF (MA-L) |
| Vendor: | Cisco Systems, Inc |
| Address: | 170 West Tasman Drive San Jose CA 95134 US |



OSINT - Companies

| Demo Time | | Portal | IMT - Instituto da Mobilidade e dos Transportes | |
|---|--|---|---|--|
| <div><h1>Porto Business School</h1><ul style="list-style-type: none">Porto Business School (link)Google - Search PBS NIF (link)<ul style="list-style-type: none">508541832</div> | | <div><div>SICAE Sistema Informação da Classificação Portuguesa de Atividades Económicas www.sicae.pt</div></div> | <ul style="list-style-type: none">CAE (link)CAE Principal – 85400 – Ensino Superior35123 - Produção de eletricidade de origem solar70200 - Atividades de consultoria ... | |

| Portal | | Ministério da Justiça – Publicação de Atos Societários | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--------------------------------------|--------------------------|---------------------------|---|----------|----------|------------|--|--|--|------------|---------------------------|------------|--------------------------------------|--------------------------|---------------------------|---|------------|---------------------------|------------|--------------------------------------|--------------------------|---------------------------|---|------------|---------------------------|------------|--------------------------------------|--------------------------|---------------------------|---|------------|---------------------------|-------|----------------------------|--------------------------|---------------------------|---|------------|------------------------|-------|--------------------------------------|--------------------------|---------------------------|---|------------|------------------------|-------|--------------------------------------|--------------------------|---------------------------|---|------------|---|-------|----------------------------|--------------------------|---------------------------|---|
| <div><div>REPÚBLICA PORTUGUESA JUSTIÇA</div><div>Ministério da Justiça Publicações de Atos Societários publicacoes.mj.pt</div></div> | | <table><tr><th>Data</th><th>Entidade</th><th>Concelho</th><th>Acto/Facto</th><th></th><th></th><th></th></tr><tr><td>2015-04-29</td><td>Associação EGP - U. Porto</td><td>Matosinhos</td><td>Alteração de Estatutos de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2015-03-23</td><td>ASSOCIAÇÃO EGP – U. PORTO</td><td>Matosinhos</td><td>Alteração de Estatutos de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2014-02-11</td><td>ASSOCIAÇÃO EGP – U. PORTO</td><td>Matosinhos</td><td>Alteração de Estatutos de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2012-07-12</td><td>ASSOCIAÇÃO EGP - U. PORTO</td><td>Porto</td><td>Rectificação de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2012-06-25</td><td>ASSOCIAÇÃO EGP-U.PORTO</td><td>Porto</td><td>Alteração de Estatutos de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2011-07-07</td><td>ASSOCIAÇÃO EGP-U.PORTO</td><td>Porto</td><td>Alteração de Estatutos de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr><tr><td>2008-06-11</td><td>EGP - UNIVERSITY OF PORTO BUSINESS SCHOOL, ASSOCIAÇÃO</td><td>Porto</td><td>Constituição de Associação</td><td>Conteúdo</td><td>Documento</td><td></td></tr></table> | | | | Data | Entidade | Concelho | Acto/Facto | | | | 2015-04-29 | Associação EGP - U. Porto | Matosinhos | Alteração de Estatutos de Associação | Conteúdo | Documento |  | 2015-03-23 | ASSOCIAÇÃO EGP – U. PORTO | Matosinhos | Alteração de Estatutos de Associação | Conteúdo | Documento |  | 2014-02-11 | ASSOCIAÇÃO EGP – U. PORTO | Matosinhos | Alteração de Estatutos de Associação | Conteúdo | Documento |  | 2012-07-12 | ASSOCIAÇÃO EGP - U. PORTO | Porto | Rectificação de Associação | Conteúdo | Documento |  | 2012-06-25 | ASSOCIAÇÃO EGP-U.PORTO | Porto | Alteração de Estatutos de Associação | Conteúdo | Documento |  | 2011-07-07 | ASSOCIAÇÃO EGP-U.PORTO | Porto | Alteração de Estatutos de Associação | Conteúdo | Documento |  | 2008-06-11 | EGP - UNIVERSITY OF PORTO BUSINESS SCHOOL, ASSOCIAÇÃO | Porto | Constituição de Associação | Conteúdo | Documento |  |
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| 2008-06-11 | EGP - UNIVERSITY OF PORTO BUSINESS SCHOOL, ASSOCIAÇÃO | Porto | Constituição de Associação | Conteúdo | Documento |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OSINT - Companies

Demo Time



- Entity ([link](#))
- Contracts ([link](#))

[Início](#) / [Detalhe](#)

Última atualização: 28 abr.2023

DETALHE Entidade

 IMPRIMIR DETALHE

Informação detalhada

| | |
|---|-------------------------------------|
| NIPC | 508541832 |
| Descrição | Porto Business School |
| Localização da sede | Portugal |
| Nº de contratos como adjudicante | 11 |
| Total gasto | 10.945.195,94 € |
| Contratos como adjudicante | Lista dos contratos |
| Nº de contratos como adjudicatária | 70 |
| Total ganho | 2.189.901,78 € |
| Contratos como adjudicatária | Lista dos contratos |

OSINT - Companies

Relatórios de Empresas ▾

Softwares com Dados ▾

Licenciamento de Dados ▾

Estudos de Mercado ▾

+ ▾

Posição: [Home](#) [Relatórios de Empresas](#) ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U.PORTO

508541832 contribuinte de ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U.PORTO

Esta empresa foi consultada **346** vezes nos últimos 12 meses, a última vez a **17 de maio de 2025**.

NIF: 508541832

DUNS: 337576166

Denominação: ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U.PORTO

Designações anteriores: ASSOCIAÇÃO EGP - U.PORTO

EGP - UNIVERSITY OF PORTO BUSINESS SCHOOL

Morada: AVENIDA FABRIL DO NORTE, 425

Código Postal: 4460-312 SENHORA DA HORA

Atividade (CAE): 85400 - Ensino superior

Antiguidade: 16 ano(s)

Telefone: 226153...

Email: ...@pbs.up.pt

Website: pbs.up.pt

Balanço disponível: NÃO

Acesso ao serviço:

Email

Password

Entrar

Esqueceu-se da sua password de acesso?

Registe-se e aceda ao relatório desta empresa

Exemplo>

O que inclui o relatório?

- Semáforo do Risco de Failure
- Evolução das Vendas e Resultados (3 anos)
- NIF, Nome, Contactos e Atividade da empresa

Associação Porto Business School (pbs) - U. Porto

ATIVA

Partilhar

Dados Gerais

Resumo

Rácios Financeiros

Evolução

Estrutura Corporativa

Atos Societários

Alguns dados errados nesta empresa?

Dados Gerais de ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U. PORTO

DATA DE ÚLTIMA CONSULTA

18 maio 2025

RAZÃO SOCIAL

ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U. PORTO

DENOMINAÇÃO COMERCIAL

ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U. PORTO

NIF DE ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U. PORTO

508541832

FORMA JURÍDICA

Associação

MORADA DE ASSOCIAÇÃO PORTO BUSINESS SCHOOL (PBS) - U. PORTO

Av. Fabril Do Norte Nr. 425 4460-312 - SENHORA DA HORA. PORTUGAL

CÓDIGO POSTAL

4460-312 - SENHORA DA HORA

CONCELHO

Senhora Da Hora

DISTRITO

Porto

WEBSITE

www.pbs.up.pt

CAE

85400 - Ensino superior

SETOR DA EMPRESA

Ensino Superior

INCIDENTES JUDICIAIS

Aceder

ALERTAS DE ALTERAÇÕES RELEVANTES

Aceder

DATA DE CONSTITUIÇÃO

2008/06/05

Volume de negócios

€

Capital social

€

Evolução volume de negócios

Dimensão da empresa

Empregados

Resumo de Associação Porto Business School (pbs) - U. Porto


A sociedade Associação Porto Business School (pbs) - U. Porto está localizada no concelho de Senhora Da Hora, situada no distrito de Porto, com o código postal 4460-312 - Senhora Da Hora. A sociedade está devidamente inscrita na Conservatória do Registo Comercial do distrito de Porto.

Seguindo a classificação do CAE, Associação Porto Business School (pbs) - U. Porto dedica-se à atividade classificada como Ensino Superior. Mais especificamente, a sua categoria é identificada como Ensino Superior, com o código numérico correspondente 85400.

O NIF de Associação Porto Business School (pbs) - U. Porto é 508541832, e a sua

Page 32

OSINT - Companies



508541832

Pesquisar Empresas

508541832

Estado

Em Atividade

(1)

Localização

Porto

(1)

4 resultados

Associação Egp - U. Porto

NIF: 508541832

Porto

Leadership Grand Conference

NIF: 508541832

Portugal

Leadership Grand Conference

NIF: 508541832

Portugal

Porto Business School


NIF: 508541832



Portugal

Localização

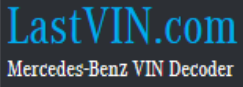
Ordenar por >

OSINT - Vehicles

| Portal | Automóvel On-line |
|---|---|
|  <p>Automóvel On-line</p> <p>www.automovelonline.mj.pt</p> | <ul style="list-style-type: none"> • Certidão Permanente do Registo Automóvel (link) <ul style="list-style-type: none"> • Document example (link) • Demo: search for a car (link) <ul style="list-style-type: none"> • License Plate : 89-QS-04 (link) |

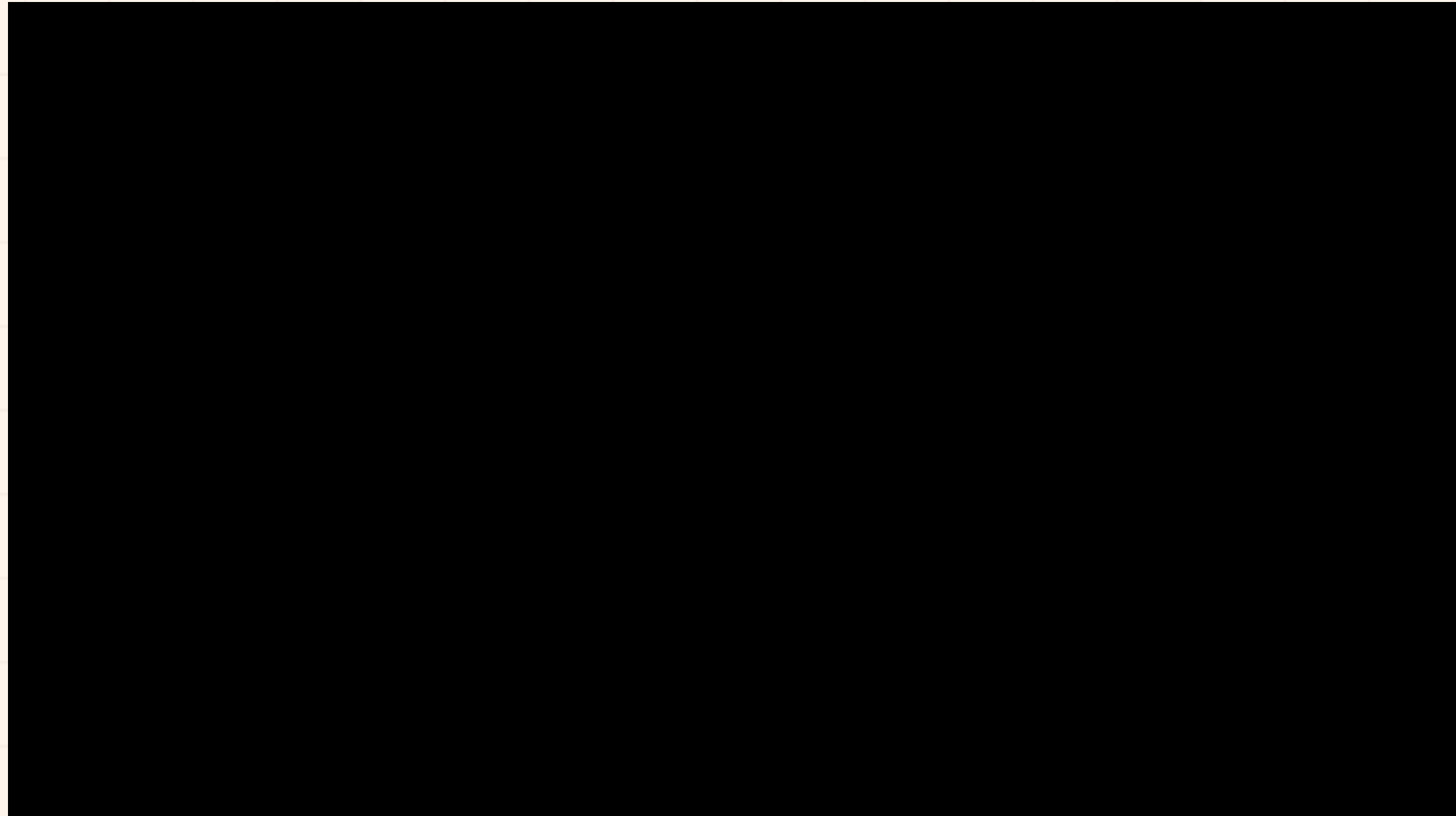
| Portal | IMT - Instituto da Mobilidade e dos Transportes |
|---|---|
|  <p>Instituto da Mobilidade e dos Transportes</p> <p>www.imtonline.pt</p> | <ul style="list-style-type: none"> • Serviços IMT online.pt (link)  • Veículos → Certidão <ul style="list-style-type: none"> • Mandatory inspection • Vehicle characteristics |

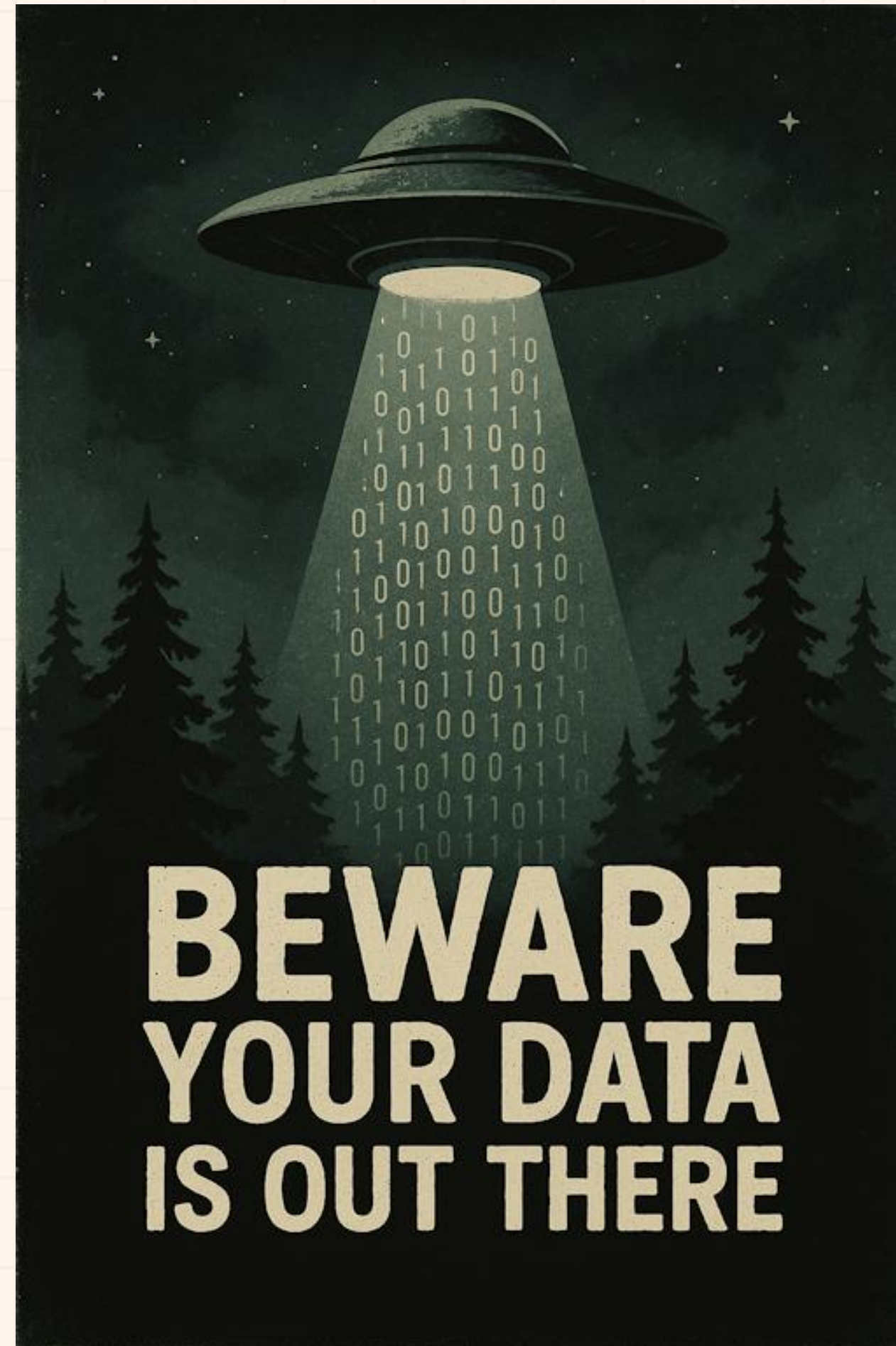
| Portal | ASF – Autoridade de Supervisão de Seguros e Fundos de Pensões |
|---|--|
|  <p>ASF - Autoridade de Supervisão de Seguros e Fundos de Pensões</p> <p>www.consumidor.asf.com.pt</p> | <ul style="list-style-type: none"> • Check Insurance (link) • License Plate : 89-QS-04 |

| Portal | Lastvin |
|---|---|
|  <p>LastVIN.com</p> <p>www.lastvin.com</p> | <ul style="list-style-type: none"> • Mercedes-Benz VIN Decoder (link) • Will the prime-minister keep the car? |

Hack across the globe by VIN ([link](#))

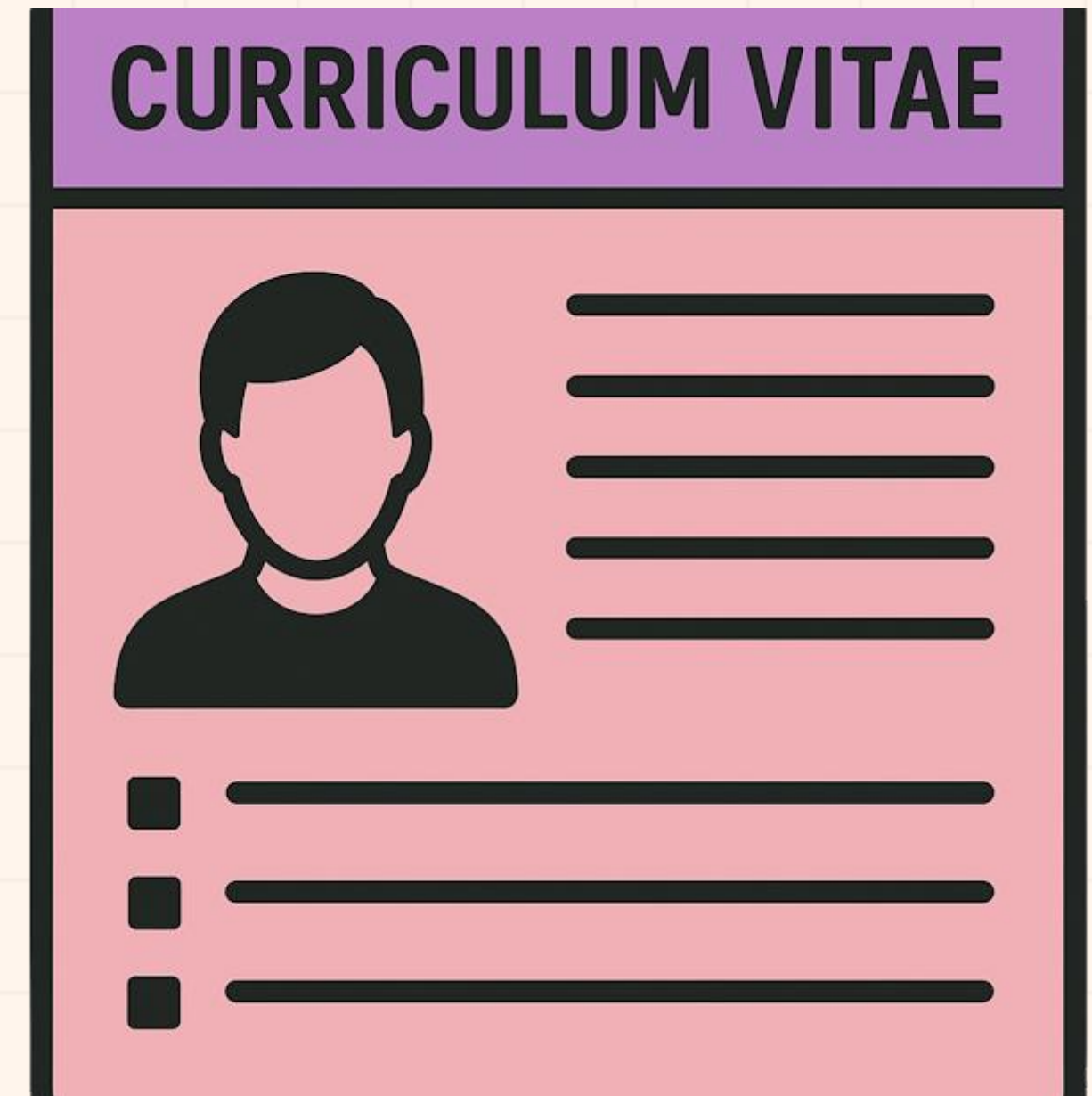
AITI – Brunei Darussalam





Internet Search - Curriculum Vitae

- Google Search
 - "curriculum vitae" filetype:pdf site:.pt ([link](#))
 - "curriculum vitae" filetype:pdf inurl:upload ([link](#))
- Curriculum Vitae
 - Sending CV with too much information – what is too much
 - Home address – Street View
- Professional information phishing
 - Fake job adds (Is this a thing?)



Internet Search - Pay slip

- Don't open links just because they are available.
 - It's like entering a house just because the door was open. Would you do that ?
- Google Search ([link](#))
- Bing Search ([link](#)) ([link](#))
- Yahoo Search ([link](#))
- “recibo de vencimento” filetype:pdf
 - “recibo de vencimento” – keywords to look for
 - filetype:pdf - only pdf files
- Available information on pay slips
 - Full name, address, nif, nib, marital status, number of children, ...



Internet Search - Hacked Websites

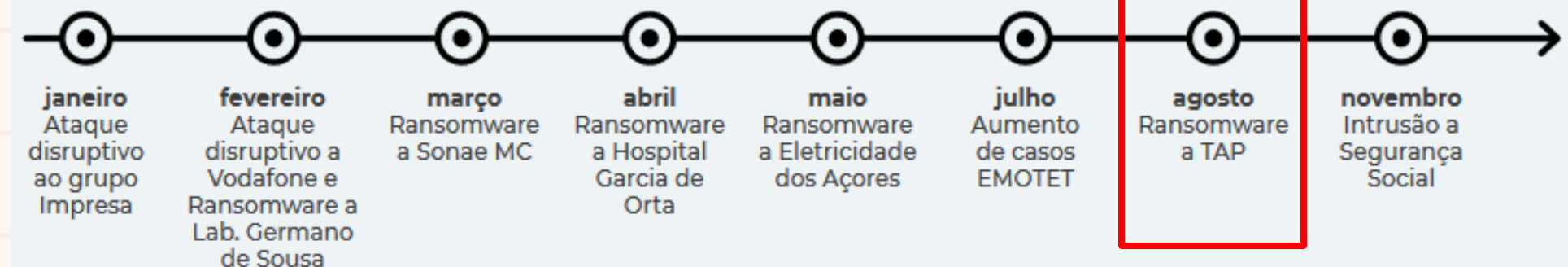
- Google Search ([link](#))
- allintitle:"hacked by" site:pt
 - "hacked by" - keyword to look for
 - site:pt - only "portuguese" sites (registered portuguese domains)
- About 6.200 results
 - Sites / pages that were "tagged"/"signed"
 - Attack and contents changed to show off skills (mainly kids)
 - compared to street tagging



Data breach - When companies are hacked

- When companies are hacked, private data is exposed. Private data becomes “public”.
- Troy Hunt
 - HavelBeenPwned ([link](#))
 - Pwned websites ([link](#))
 - Domain search ([link](#))
- CNCS Report
 - Cybersecurity in Portugal 2024 ([link](#))
 - Cybersecurity in Portugal 2023 ([link](#))

CRONOLOGIA DE ATAQUES NO CIBERESPAÇO COM IMPACTO ELEVADO EM PORTUGAL, 2022*



*Consideram-se como ataques no ciberespaço com impacto elevado os incidentes com efeitos relevantes nos serviços e infraestruturas e/ou com visibilidade social, cuja investigação já tenha revelado conclusões suficientes para serem descritos

Fonte: CNCS

Data breach - Credentials

- Source
 - “Publicly” available list of credentials
- Information gathered
 - Rule of email/login
 - Rule of password complexity
 - List of users
 - Phishing campaigns
 - Brute force
- Look for those users on Social Media
 - Reuse of credentials

```
data/m/b:mlfer#15
data/m/c:mc:boris2249
data/m/c:mc:cunha1
data/m/c:mc:mcunha
data/m/j:mj:ca.pt:1107mj
data/m/s:ms:pt:MilanKundera
data/m/s:ms:pt:10222406
data/m/t:mt:pt:21646695
data/p/a:pa:pt:90231qpg
data/p/a:pa:pt:ciqewyda
data/p/g:pg:ca.pt:90231qpg
data/p/g:pg:ca.pt:Gon
data/p/g:pg:ca.pt:mypetige
data/p/l:pl:ca.pt:brandol
data/p/l:pl:ca.pt:qlindo01
data/p/l:pl:ca.pt:nfv02VDK
data/p/n:pr:ca:dyhanoge
data/p/t:pt:pt:fbobh_$g%1
data/p/t:pt:pt:nokupeku
data/p/t:pt:pt:recoreco
data/p/t:pt:ca.pt:Pteixeira
data/p/t:pt:ca.pt:kyawee
data/p/t:pt:ca.pt:teixeira10
data/p/t:pt:ca.pt:xocuwuti
data/r/a:ra:pt:99999999
data/r/a:ra:pt:fbobh_s371
data/r/a:ra:pt:sytaruru
data/r/m:rm:pt:zabolegy
data/s/c:sc:ca:advogada
data/s/d:sd:ca.pt:tsunami1
data/s/e:se:ca:4nick8nela
data/s/e:se:ca:awyixk
data/s/g:sg:ca.pt:snfg1500
data/s/i:si:ca:diogofofo
data/s/m:sm:ca.pt:monteirodasilva
data/s/m:sm:ca.pt:silvamonteiro
data/s/o:so:ca:capricornio
data/s/u:su:ca:mametiry
```

Data breach – Credentials - Portuguese domain examples (2018)

- uminho.pt - Universidade do Minho
- adv.oa.pt - Ordem dos Advogados
- pj.pt - Policia Judiciária
- mail.exercito.pt - Exército
- cm-braga.pt - Câmara Municipal de Braga
- cm-guimaraes.pt - Câmara Municipal de Guimarães
- psd.pt - Partido Social Democrata
- ps.pt - Partido Socialista
- fcporto.pt - Futebol Clube do Porto
- min.justiça - Ministério da Justiça

IOT Search engines

- Shared folders accessible to 8 thousand million people ([link](#))

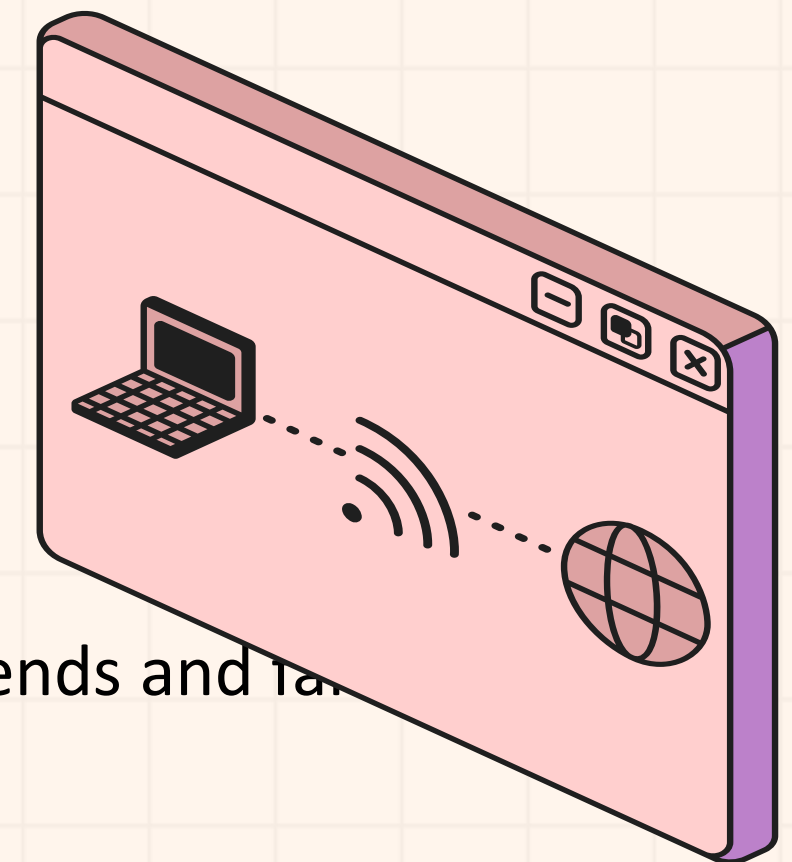
- Contabilidade – 6
- Clientes – 3
- Faturacao – 1
- Primavera – 6
- SAGE – 13
- Winrest – 148

| Shares | | | Shares | | |
|------------|------------------|----------|---------|---------|---------------|
| Name | Type | Comments | Name | Type | Comments |
| Web | Shares | | ADMIN\$ | Disk | Remote Admin |
| Public | Name | Type | C\$ | Disk | Default Share |
| homes | | | IPC\$ | Printer | |
| SCAN | Multimedia | Shares | | | |
| SERVER | Download | Name | | | |
| Multimedia | Web | winrest | | | |
| Recordings | Public | IPC\$ | | | |
| home | homes | | | | |
| MBPT | TESTE | | | | |
| PLOUTOS | JOAO | | | | |
| TGS | DUDA | | | | |
| MIRUS | SEGMENTO_POPULAR | | | | |
| USB | SOFTWARE | | | | |
| IPC\$ | home | | | | |
| | IPC\$ | | | | |

| Shares | | |
|---------------|------|------------------|
| Name | Type | Comments |
| IPC\$ | IPC | IPC Service ("") |
| Carlos | Disk | Carlos Pessoal |
| TTT | Disk | Todo Tipo Terre |
| SAIG | Disk | SAIG |
| Zonesoft | Disk | Clientes Zoneso |
| FTP | Disk | FTP |
| Clientes_Sage | Disk | Clientes Sage |
| Clientes_XD | Disk | Clientes XD |
| XD Extreme | Disk | XD Extreme |
| video | Disk | System default |
| photo | Disk | System default |
| music | Disk | System default |
| admin | Disk | ... |

Awareness - The internet sees you

- Information on the picture
 - Metadata/Geolocation
- What companies know about us (link)
- What do we teach our kids? Do we teach?
 - They are connected/exposed to 5,19 billion people (64,6% of world population)
- Social networks
 - If you don't have a social media account, I'll create one for you and talk to your friends and family
- Browser edit
 - Fake news
 - Reveal passwords

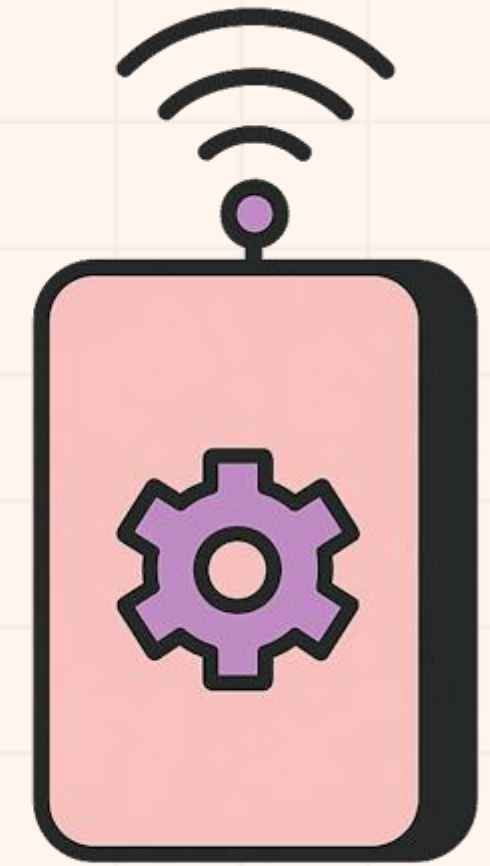


Message from Ella

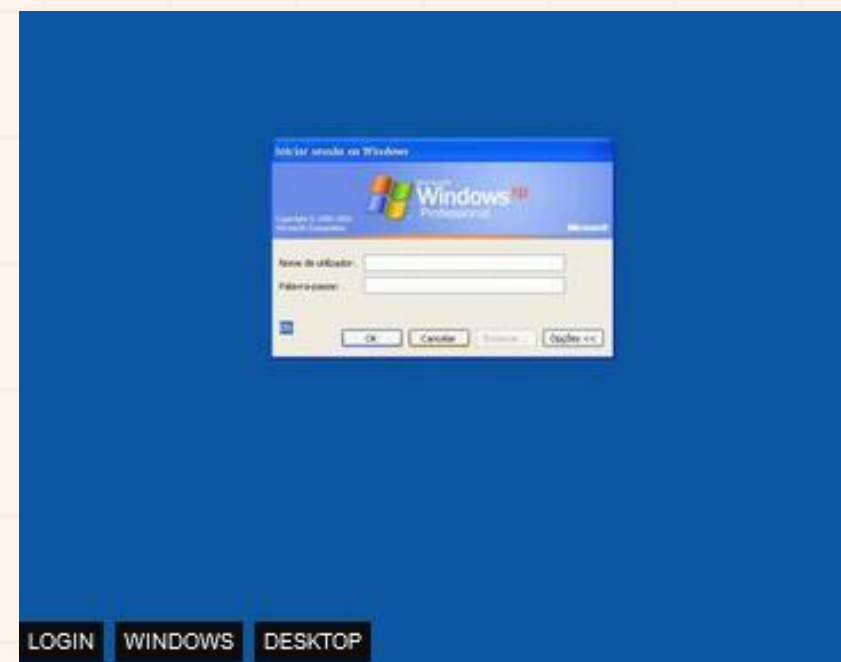


Internet of Things

IoT



OSINT - Shodan – IoT Search Engine



OSINT - Shodan – IoT Search Engine

Shodan Maps Images Monitor Developer More...

SHODAN Images |screenshot.label:ICS country:pt

// FOUND 2 RESULTS

OSINT - Shodan – IoT Search Engine

- Internet Exposure Observatory
 - Exposure Dashboard ([link](#))
- Explore
 - Shodan explore ([link](#))
- Images
 - Shodan images ([link](#))
- Maps
 - Shodan maps ([link](#))
- Remote Desktop ([link](#))
 - Total results: 2,745,593
 - Braga ([link](#))
- Imagens
 - Braga ([link](#))
 - VNC Remote Access and Loggedin ([link](#))
- Authentication Disabled
 - Portugal ([link](#))
 - Fotos ([link](#))
 - Contabilidade ([link](#))

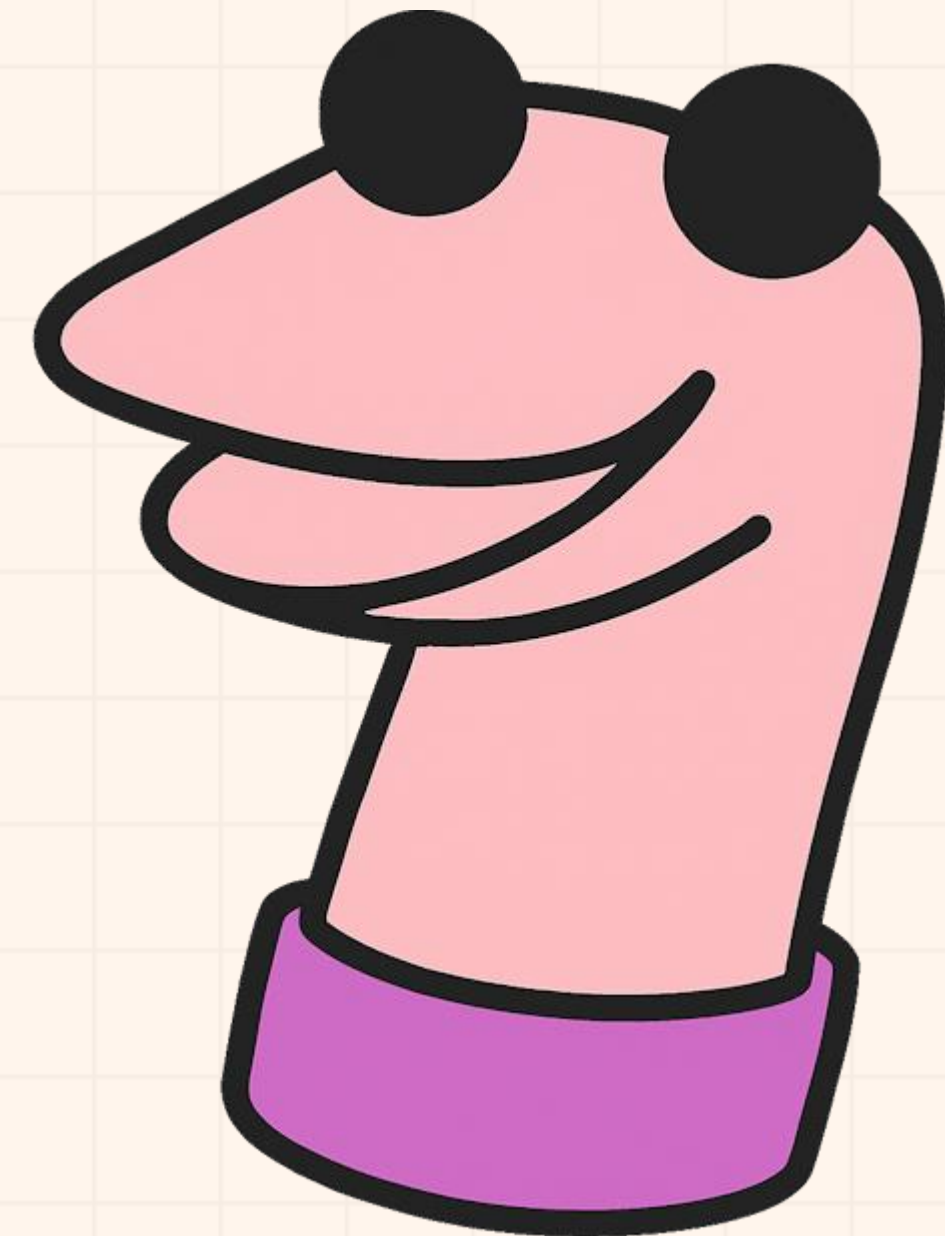
Before OSINT

Don't get under the spotlight.



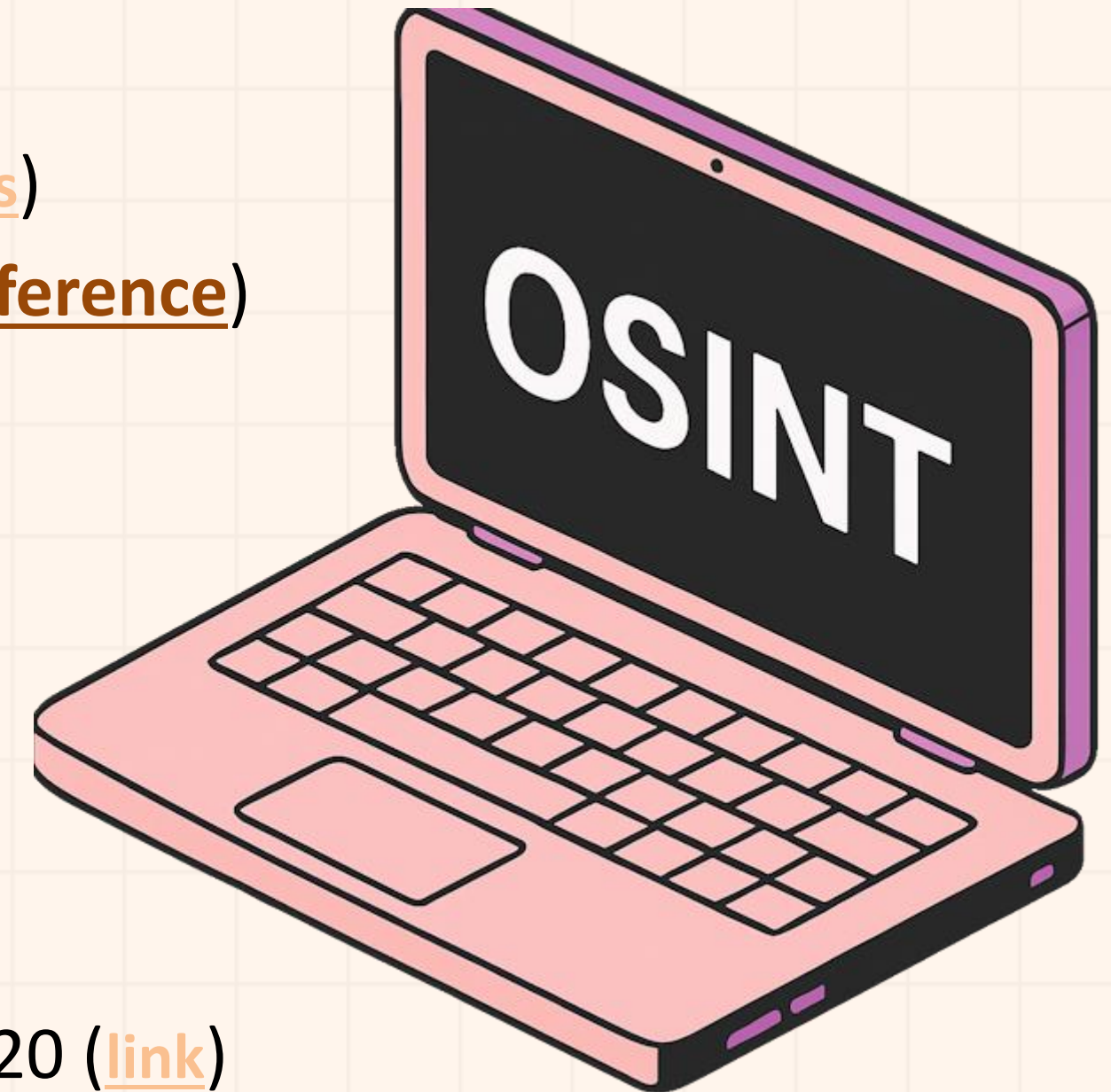
OSINT – Sock Puppet

- Temporary Email ([link](#))
- Name Generator ([link](#))
- Photo - thispersondoesnotexist ([link](#))
- Sim Card - Local / Country / Electronic
- Credit Card - Privacy.com ([link](#))
- VPN - useful to be some where else
- Email account
- Social Media accounts
- Sock Puppets Tutorials
 - The Art Of The Sock ([link](#))
 - My Process for Setting up Anonymous Sock Puppet Accounts ([link](#))



OSINT REFERENCES

- My OSINT notes ([link](#))
- Sofia Santos - Awesome tutorials and exercises ([blog](#)) ([videos](#))
- Jezer Ferreira - Must have book and conference ([book](#)) ([conference](#))
- Michael Bazzel - IntelTechniques ([link](#)) ([book](#)) ([magazine](#))
- OSINT Combine ([link](#)) ([bookmarks](#))
- OSINT Dojo ([link](#))
- OSINTCurio.us ([link](#))
- OSINT Techniques ([link](#))
- CyberDetective ([link](#))
- Open Source Intelligence Tools and Resources Handbook 2020 ([link](#))



OSINT CHALLENGES

- Sofia Santos Exercises ([link](#))
- TraceLabs CTF ([link](#)) ([notes](#))
- Hacktoria ([link](#)) ([notes](#))
- Kase Scenarios ([link](#))
- TryHackMe ([link](#))
 - My notes ([notes](#))
 - Geolocating Images Room ([link](#))
 - Google Dorking ([link](#))
 - OhSINT Room ([link](#))
 - Sakura Room ([link](#))



OSINT -Tools & more tools

- OSINT FRAMEWORK ([link](#))
- OSINT4ALL ([link](#))
- Intel Techniques ([link](#))
- OSINT Techniques ([link](#))
- Cyber Detective ([link](#))
- Aware Online ([link](#))



OSINT – Virtual Machines

- Trace Labs VM ([link](#))
- Mandiant – Threat Pursuit VM ([link](#))
- CSI Linux ([link](#))

- Tails ([link](#))
- Kali ([link](#))
- Parrot ([link](#))
- Windows ([link](#))

THANK YOU






OSINT – The Final Hours of Pop Smoke

- Rapper Pop Smoke Murdered in Home Invasion ... By 4 Masked Gunmen ([link](#))
- Instagram Posts
 - Location Tag
- Geolocation
 - Reverse Image
- Google Maps
 - Local Recon
- Airbnb/Zillow (Rent/Real-estate)
 - House photos (Outside and Inside)
 - Layout

OSINT – Other public presentations

- RootedCON - OSINT – Beware your data is out there – EDIÇÃO PORTUGAL ([link](#))
- OID2024 – OSINT – Beware your data is out there ([link](#))
- OXOPOSEC – Private Business, Public Fallout ([link](#))
- PBS - The Power of OSINT ([link](#))

| | | | | | |
|--|---|--|---|--|--|
| <div><div>Portal</div><div><div>Portal do Governo</div><div>www.portugal.gov.pt</div></div></div> | <div><div>Portal do Governo</div><div><ul style="list-style-type: none">Membros do Governo (link)<ul style="list-style-type: none">Primeiro-Ministro (link)Redes sociais</div></div> | <div><div>Portal</div><div><div>Ministério da Justiça</div><div>Publicações de Atos Societários</div><div>publicacoes.mj.pt</div></div></div> | <div><div>Publicações de Atos Societários</div><div><ul style="list-style-type: none">Consultar e pesquisar todas as publicações (link)</div></div> | <div><div></div><div><ul style="list-style-type: none">https://www.doutorfinancas.pt/empresas/como-obter-informacoes-sobre-uma-empresa/https://transparencia.gov.pt/Pesquisa de bens penhorados – não oficial (link)Pesquisa de bens penhorados – não oficial (link)https://geneall.net/https://www.einforma.pt/https://www.iberinform.pthttps://www.racius.comhttps://www.rigorbiz.pt/https://www.emailondeck.com/https://temp-mail.org/https://www.playmakerstats.com/https://www.pai.pt/</div></div> | |
| <div><div>Portal</div><div><div>Portal da Assembleia da República</div><div>www.parlamento.pt</div></div></div> | <div><div>Portal da Assembleia da República</div><div><ul style="list-style-type: none">Deputados em funções (link)Informação Pessoal (link)Registo de interesses (link)Participação em empresas (link)Dados Abertos (link)</div></div> | <div><div>Portal</div><div><div>Diário da República Eletrónico</div><div>dre.pt</div></div></div> | <div><div></div><div><ul style="list-style-type: none">Pesquisa (link)Site alternativo – DRE Tretas (link)</div></div> | | |
| <div><div>Portal</div><div><div>Portal BASE</div><div>www.base.gov.pt</div></div></div> | <div><div>Portal BASE</div><div><ul style="list-style-type: none">O Portal BASE centraliza a informação sobre os contratos públicos (link)Contratos (link)Anúncios (link)Entidades (link)<ul style="list-style-type: none">Empresas e PessoasIndicadores (link)</div></div> | <div><div></div><div><ul style="list-style-type: none">Lista de subvenções e benefícios públicos e de doações (IGF) (link)Lista pública de execuções (link)Venda de Bens Penhorados em Processos Executivos (link)Lista de devedores na Segurança Social (link)Listas de Devedores na Autoridade Tributária e Aduaneira (link)</div></div> | | <div><div></div><div></div></div> | |