OSINT: Common Tools and How to use them Safely

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OSINT: Common Tools and How to use them Safely

Topics

- What is OSINT
- Using OSINT
- Tools and Resources
- Staying Safe
- Using Your Skills for Good

OSINT: Common Tools and How to use them Safely

What is OSINT?

"Open-source intelligence (OSINT) is intelligence that is produced from publicly available information and is collected, exploited, and disseminated in a timely manner to an appropriate audience for the purpose of addressing a specific intelligence requirement."

https://www.govinfo.gov/content/pkg/USCODE-2011-title50/html/USCODE-2011-title50-chap15-subchapI-sec403-5.htm

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What is OSINT?

- The Internet
- Media (e.g. television, radio, newspapers, magazines)
- Professional Publications (journals, conferences, studies)
- Photos
- Geospatial information (e.g. maps and commercial imagery products)
- …and more

https://www.cia.gov/news-information/featured-story-archive/2010-featured-story-archive/open-source-intelligence.html

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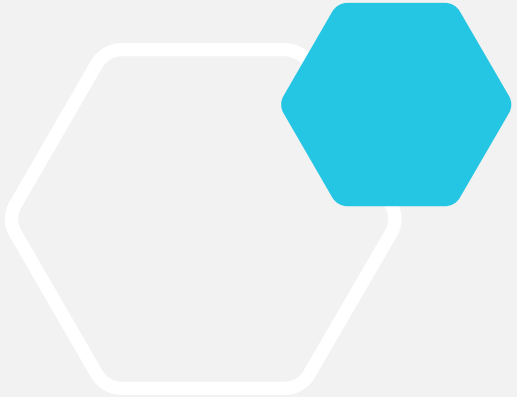
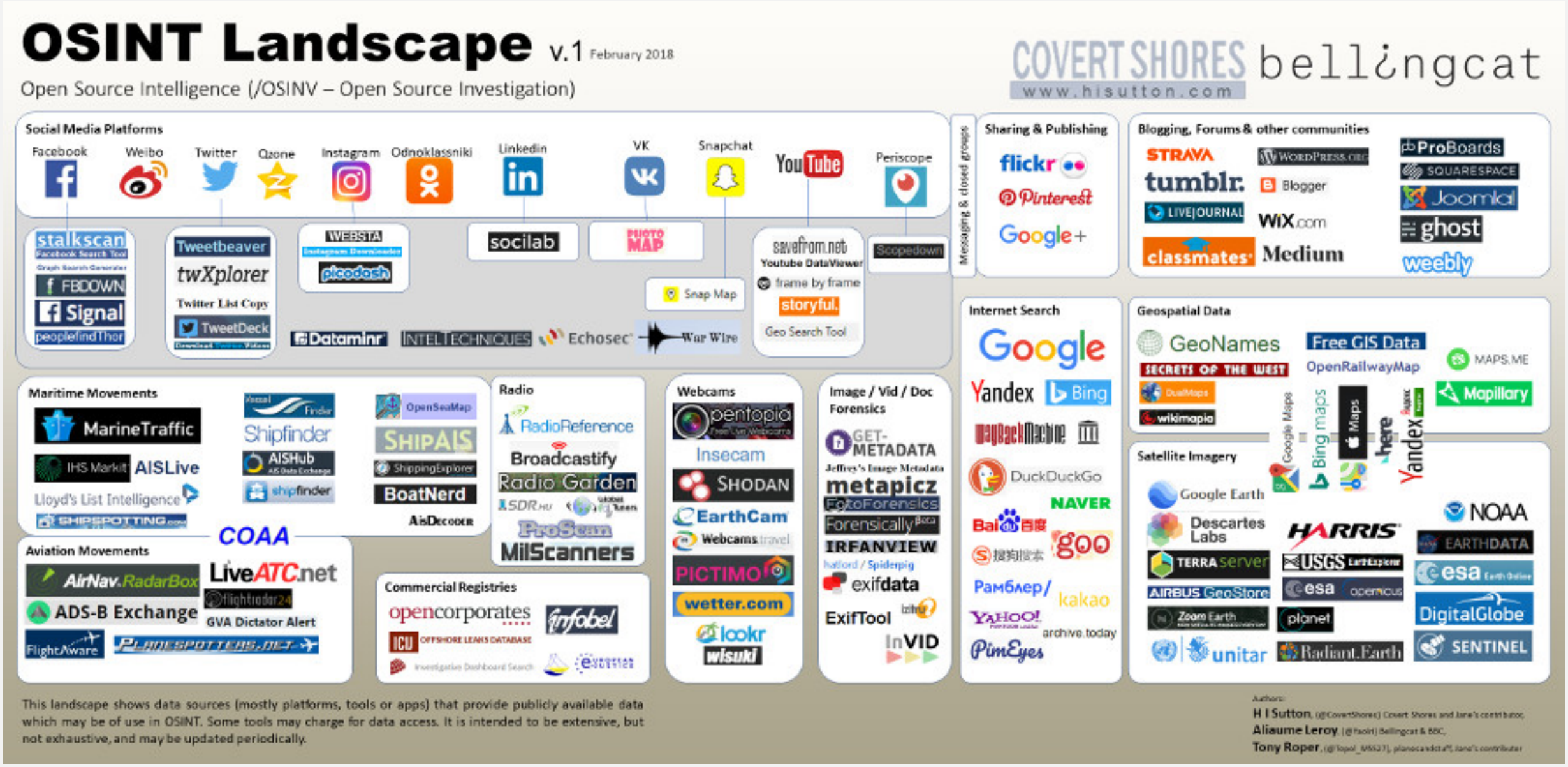
How am I using OSINT?

- User Awareness Training
- Malicious email
- Missing People
- Domestic Abuse





http://www.hisutton.com/OSINT_Landscape.html

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Tools & Resources

- Social Media
  - Tiktok, Twitter, Facebook, Snapchat, dating apps…
- Email
- Reverse Image Search
- Public Records
  - Address, arrest records, death certificates
- Other

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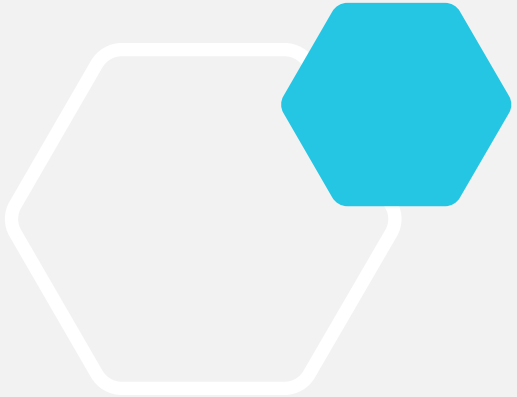
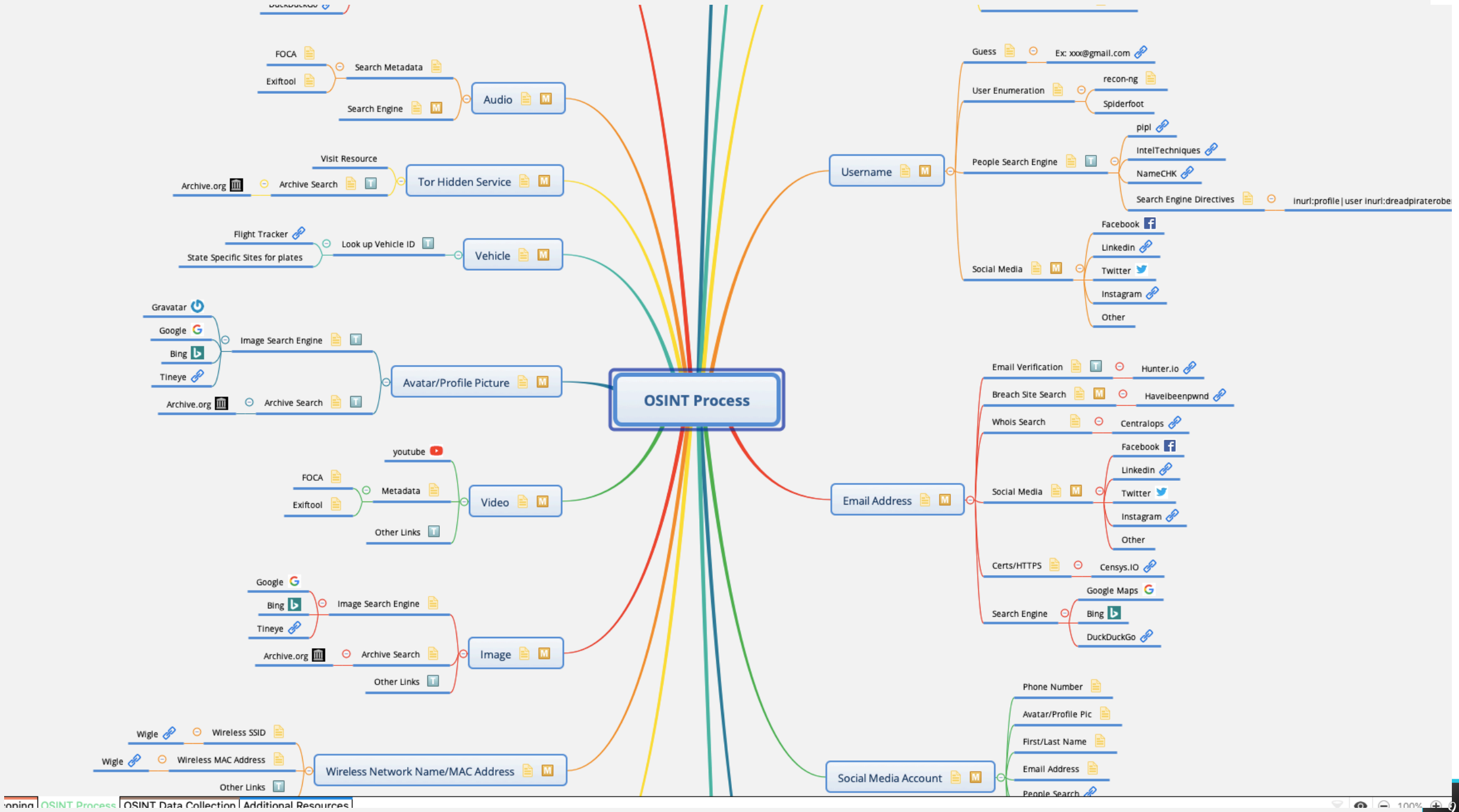
Tools and Resources

- Mind Mapping
- Hunchly
- Excel
- Trello
- Session Buddy





https://github.com/WebBreacher/osinttools

	A	B	C	D
1	OSINT: Jane Doe			
2	https://www.mass.gov/doc/person-missing-poster/download			
3	**What**	**Link**	**Artifact**	**Notes**
4	Phone number	www.theirnumber.cor	8675309	found through this link,
5	Mother	www.mothers	Janet Doe	facebook page is open lists other relatives found through facebook search
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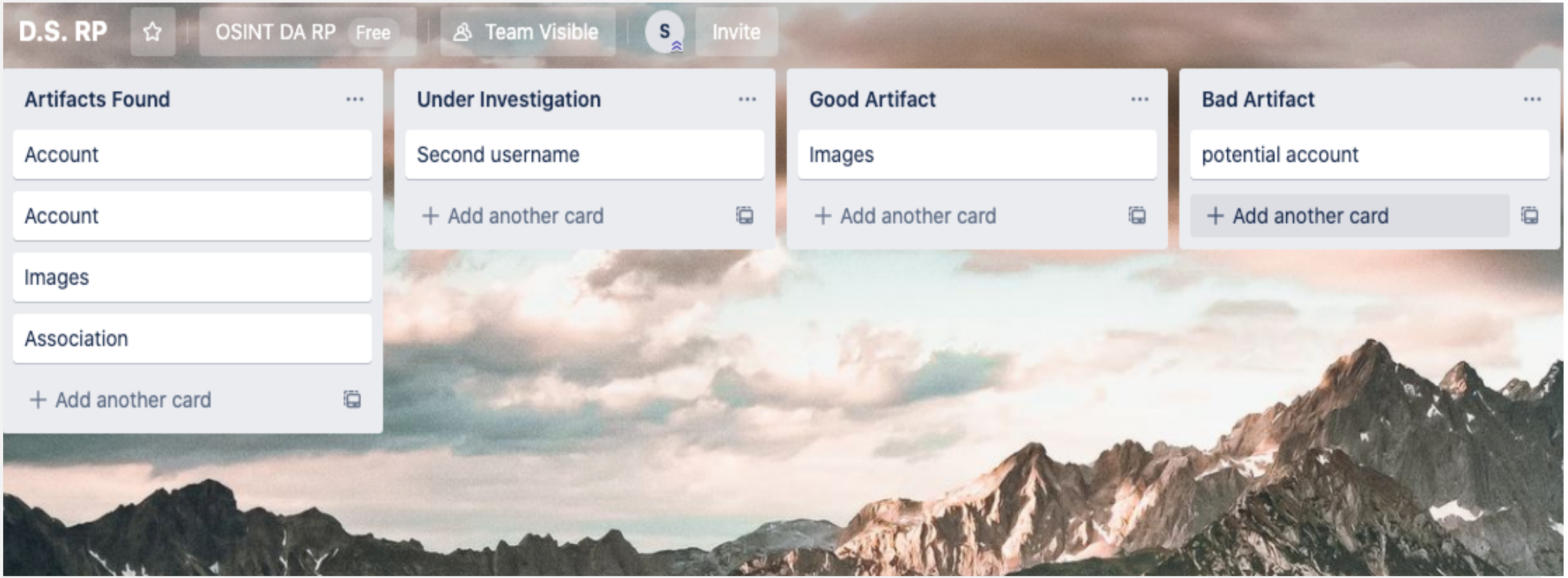
D.S. RP
OSINT DA RP
Free
Team Visible
S
Invite
Artifacts Found
Account
Account
Images
Association
Add another card
Under Investigation
Second username
Add another card
Good Artifact
Images
Add another card
Bad Artifact
potential account
Add another card

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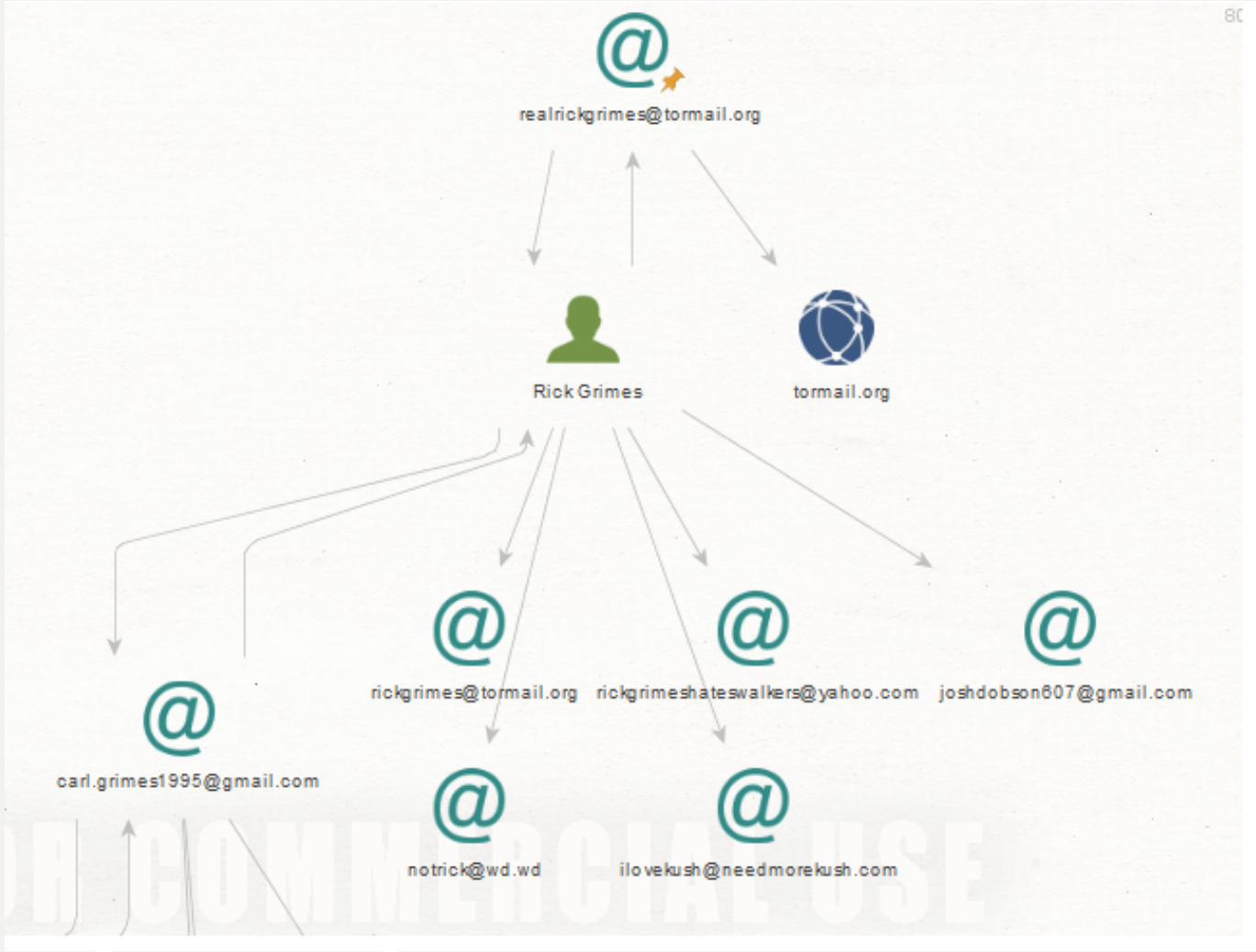
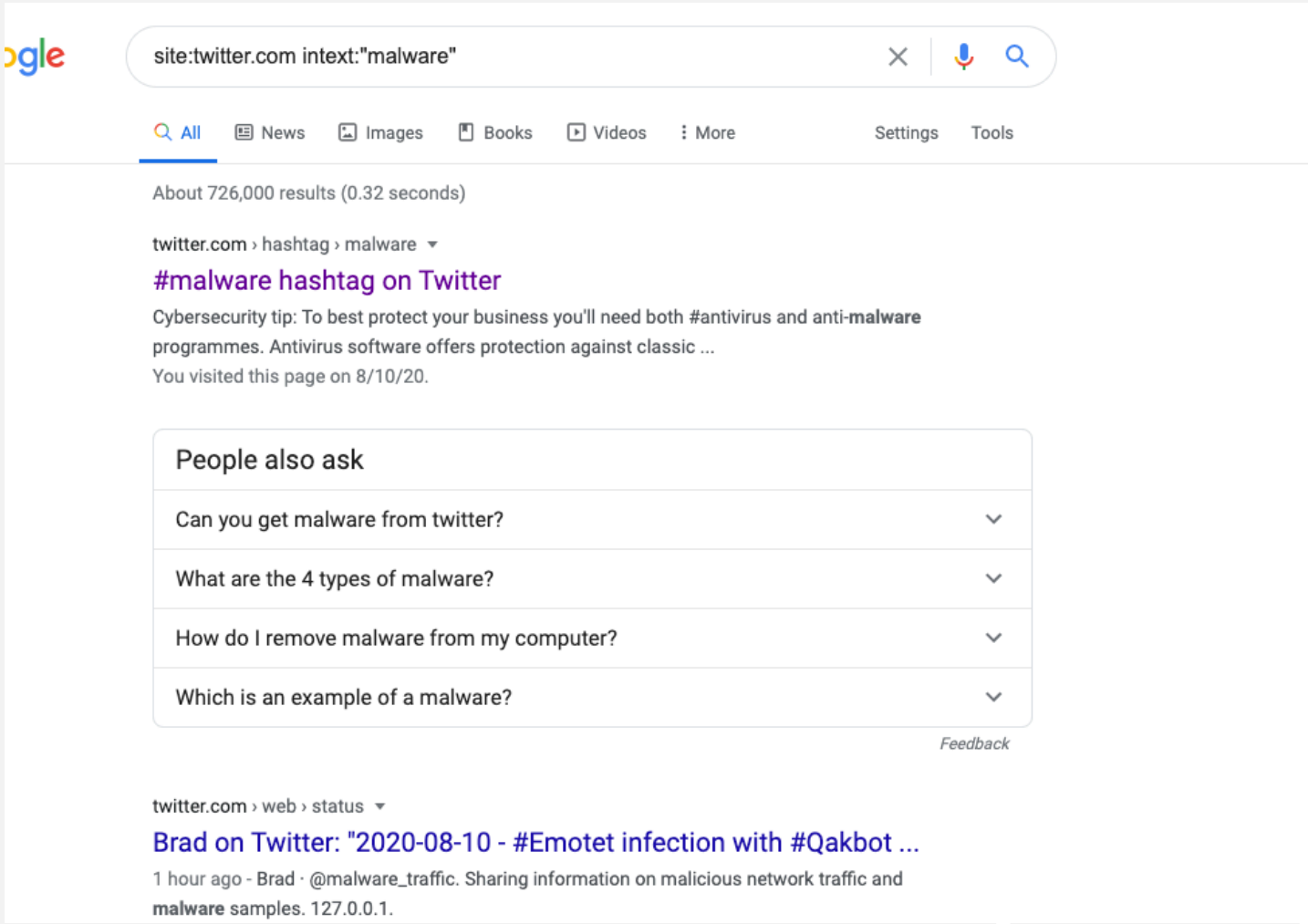
Tools and Resources

Maltego



https://medium.com/@raebaker/a-beginners-guide-to-osint-investigation-with-maltego-6b195f7245cc



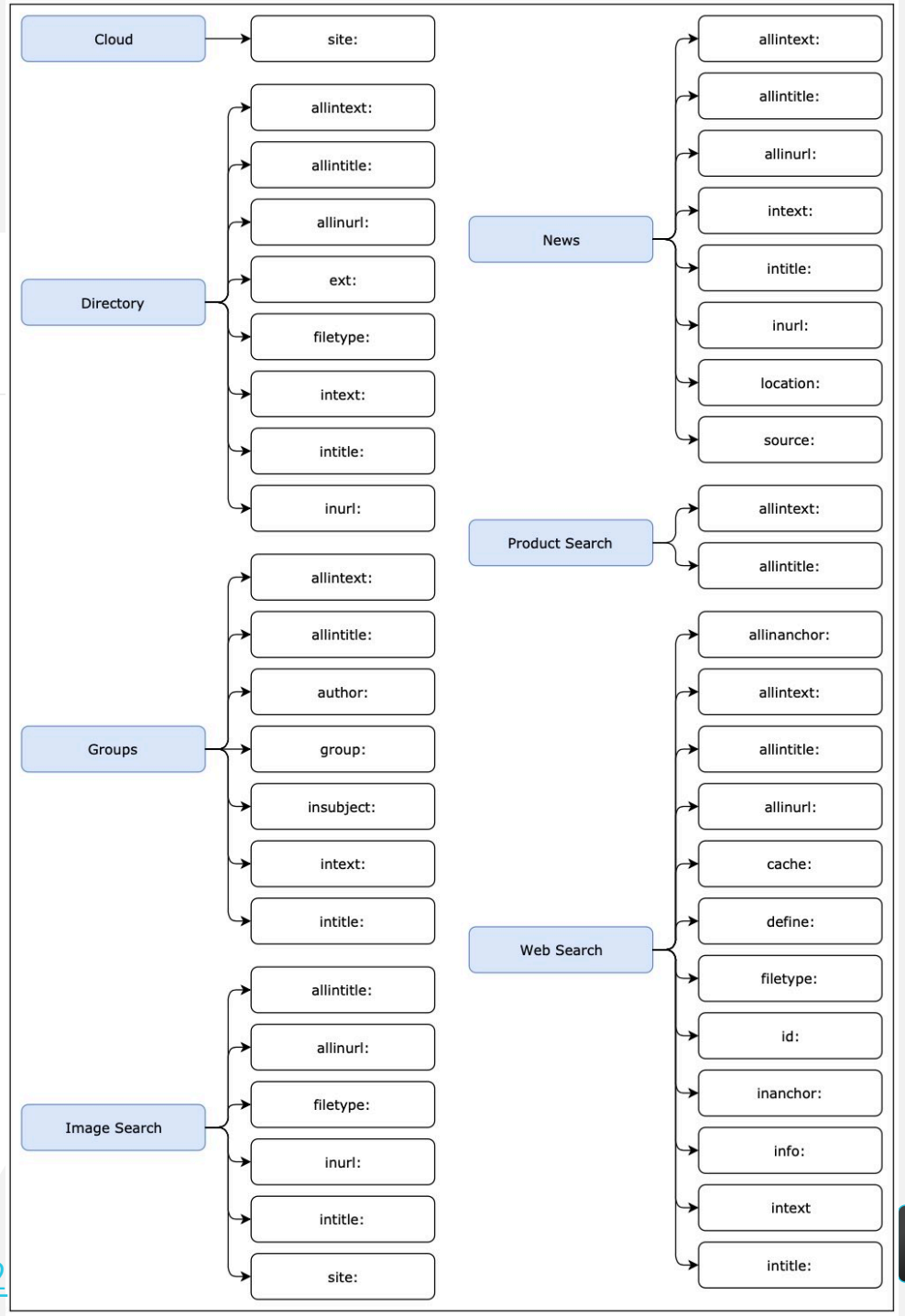
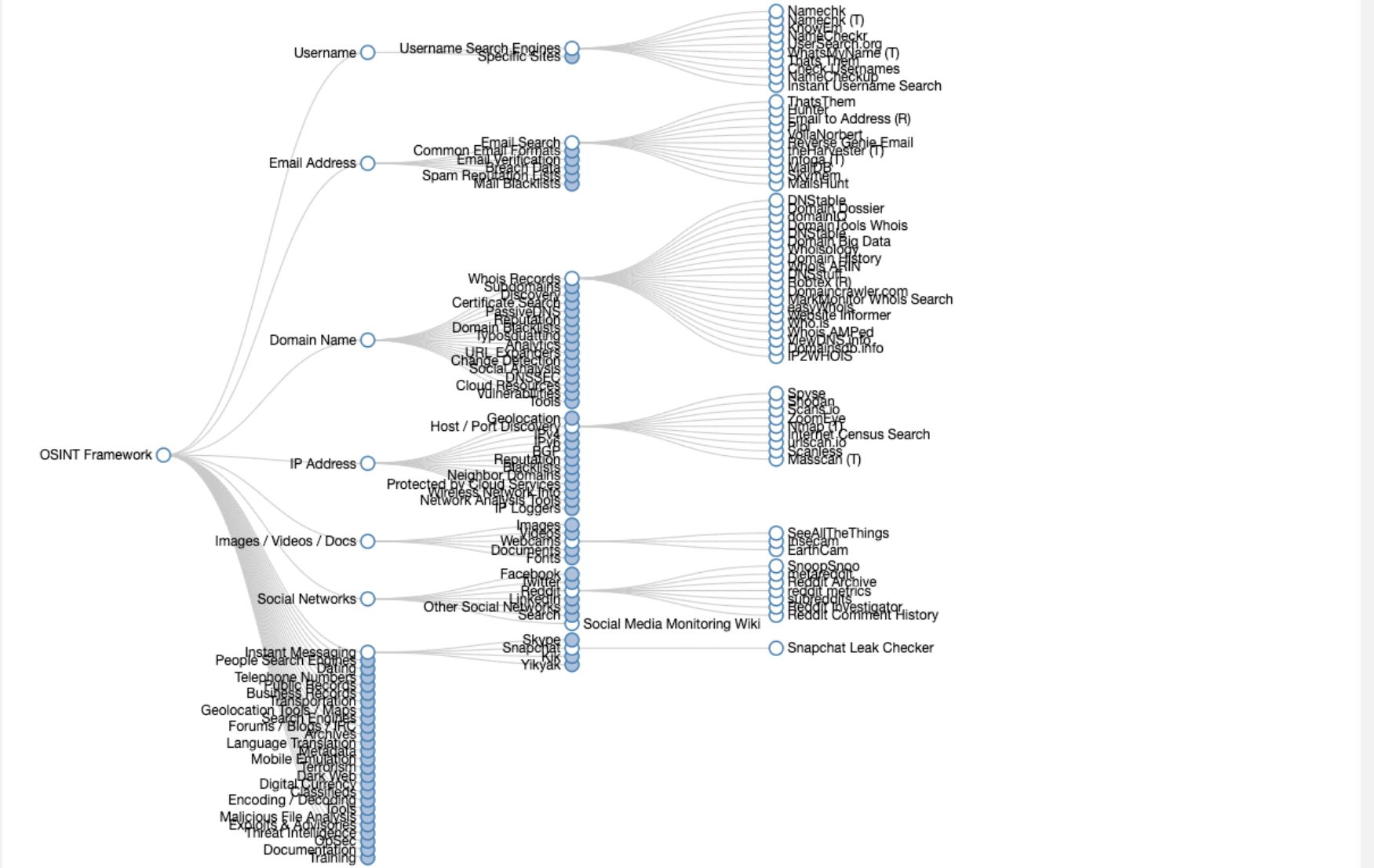


Image: https://twitter.com/velstadt_com/status/1206902436469911552

OSINT Framework



https://osintframework.com

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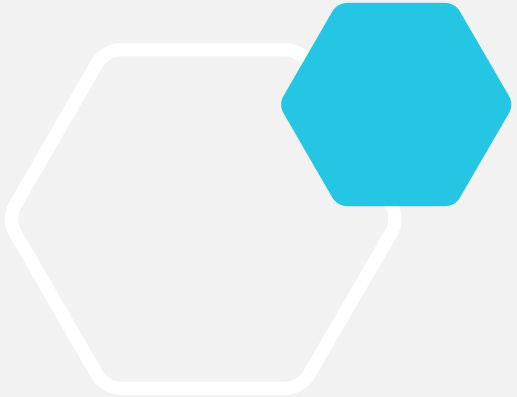
Tools and Resources

- SpiderFoot
  - Free hobby edition- web based
  - Free open source downloadable



https://www.spiderfoot.net/

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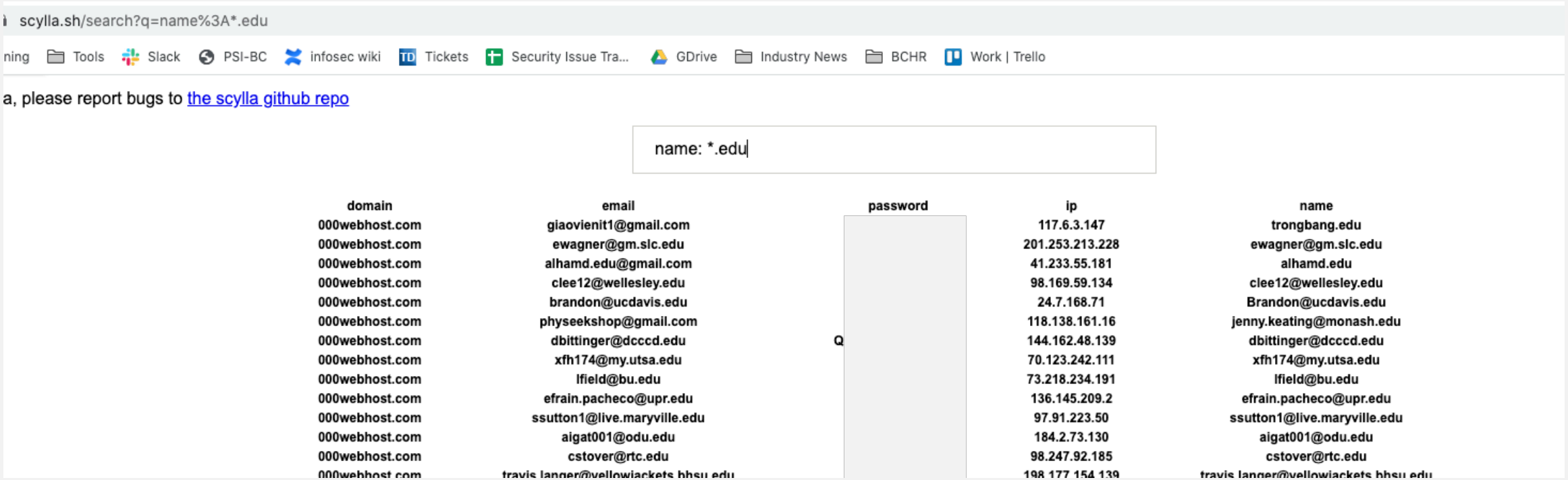
Tools and Resources

Scylla Project



https://scylla.sh/

https://twitter.com/_hyp3ri0n

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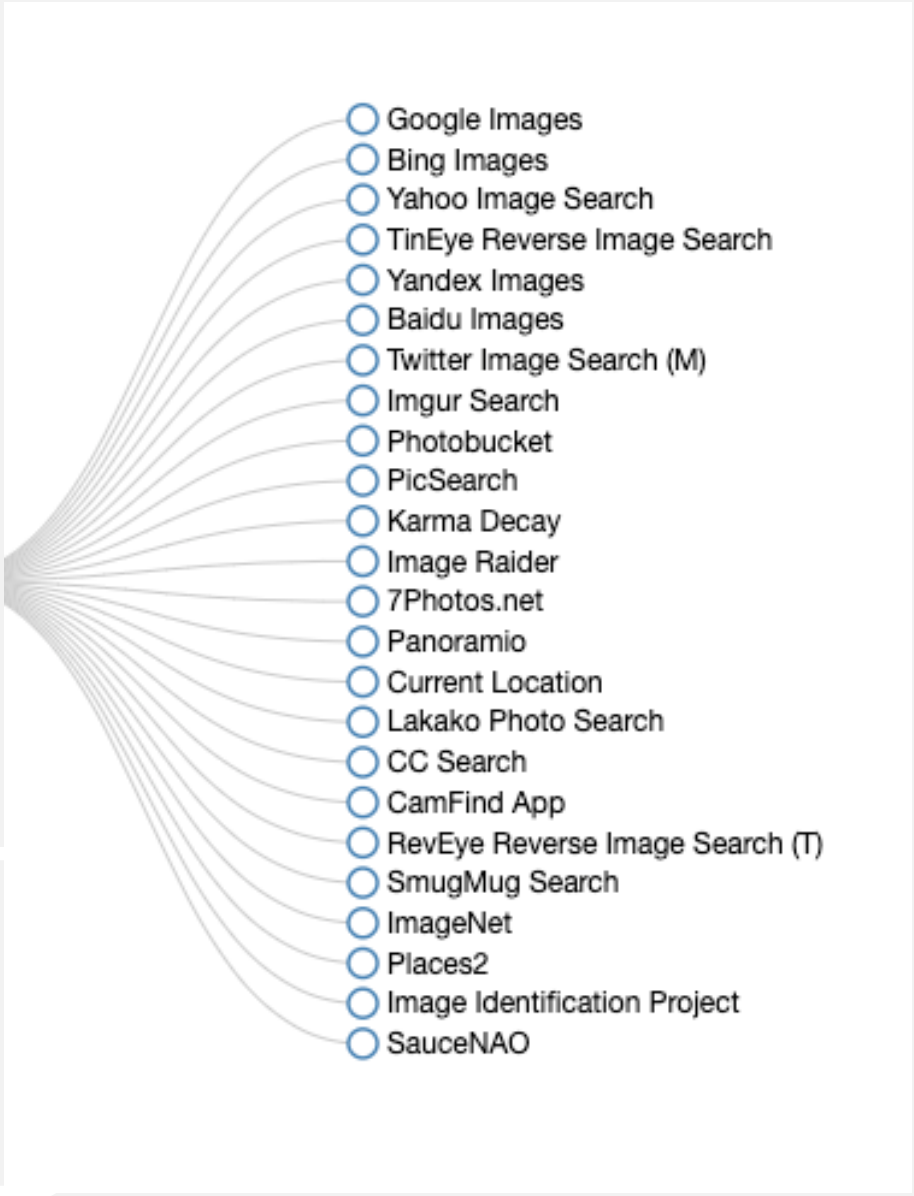
Tools and Resources

- Reverse Image Search
  - Find other accounts

https://tineye.com/

https://images.google.com/



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Tools and Resources

- Social Media Search
  - Simple is sometimes better

Image: https://mn2s.com/news/social-media-management/five-ways-social-media-can-help-your-start-up-2/

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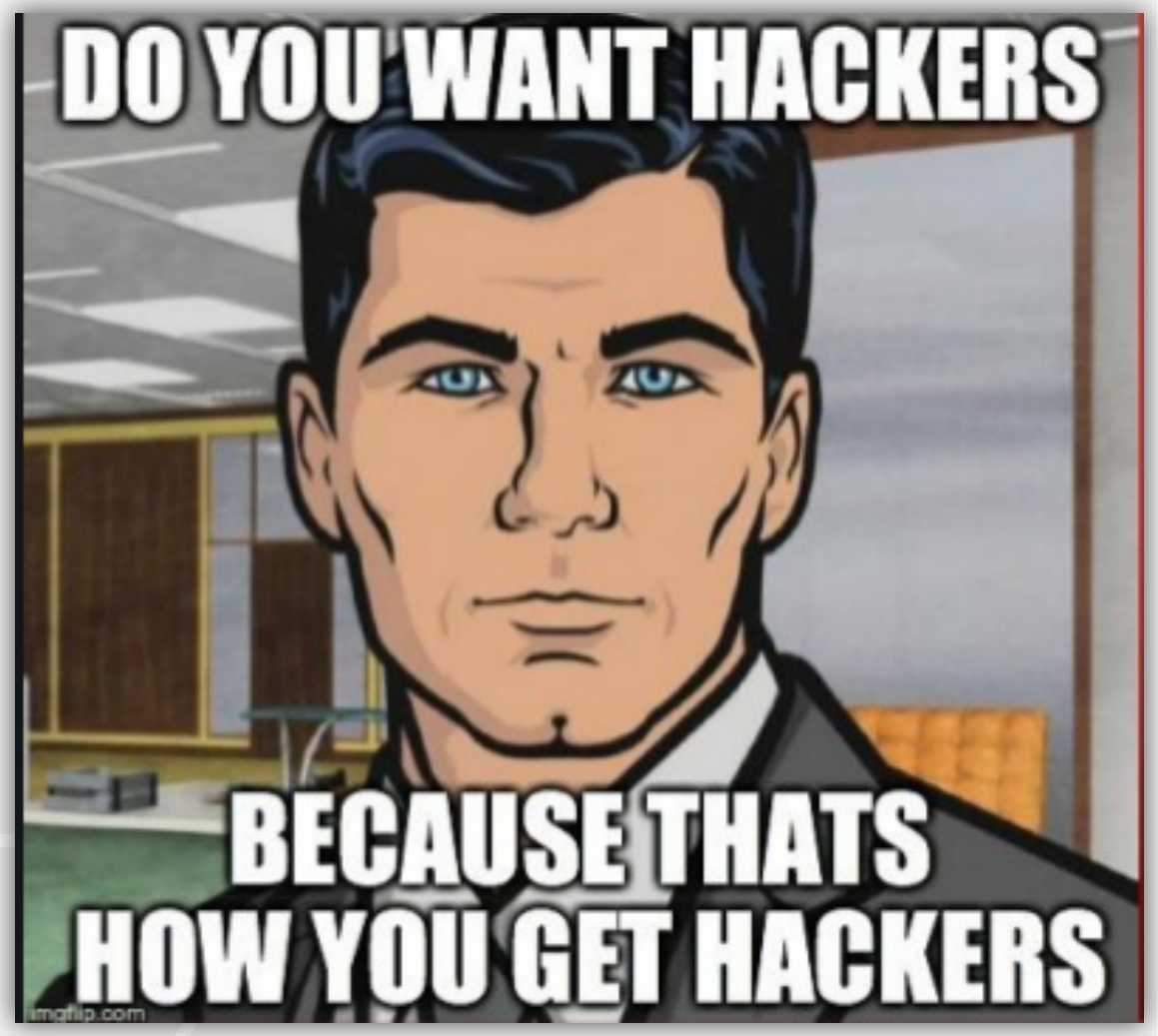
Staying Safe

- Why its important!
  - Protect yourself
  - Isolate the target protect the investigation



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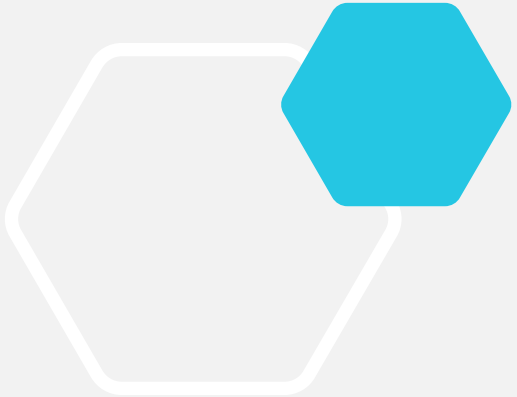
Staying Safe

- Passive recon or “no touch”:
  - No interaction with target
  - Not invasive
  - No illegal hacking
- Active recon:
  - Logging into targets accounts
  - Contacting target/friends/family



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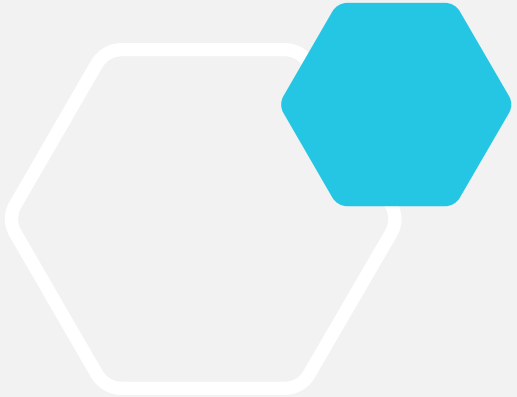
Staying Safe

- Use a VM (virtual machine)
  - Burn it when you are done
- VPN (virtual private network)
  - Proton
  - Brave
  - Nord
  - PrivateInternetAccess (PIA)



https://www.privacytools.io/

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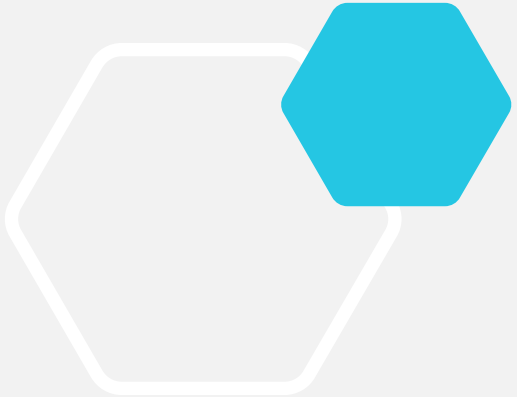
Staying Safe

- Sock Puppet Accounts
  - Fake account used for recon
  - Never use your personal social media accounts for OSINT investigations
  - Insulate your personal information



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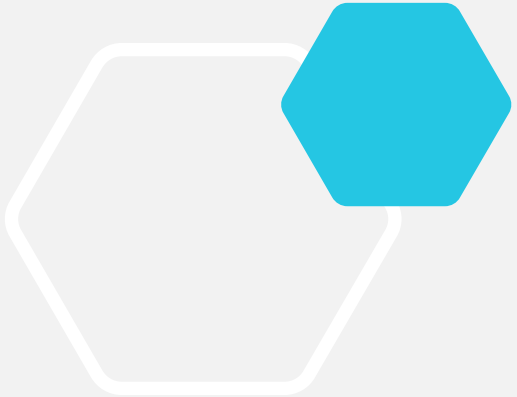
Staying Safe

- Sock Puppet Accounts
  - Burner Phone
  - Smart Proxy
  - Wifi
  - Fake Identity Generators

https://www.thispersondoesnotexist.com/

https://www.fakenamegenerator.com/



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Using Your Skills for Good

- TraceLabs
  - CTF- prizes, and glory!
  - Monthly collaborative cases

Image: https://www.tracelabs.org/resources/trace-labs-wallpapers/

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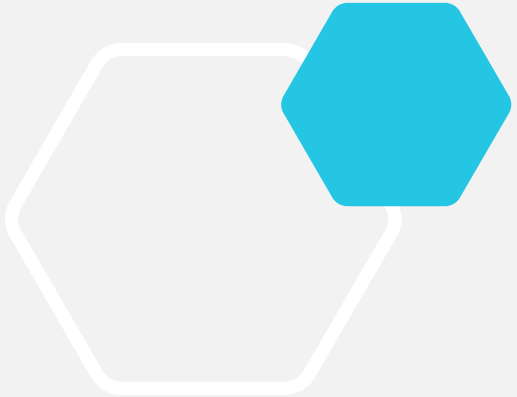
Summary

- If you can google you can do this
  - Getting started:
    - VM
    - VPN
    - Google
    - Notebook
    - Desire to help
  - Keep organized



Thank You

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