Cyber Wellness

Country, Company and Personal Safety



Simbaredi Chiwanza | Cybersecurity Analyst

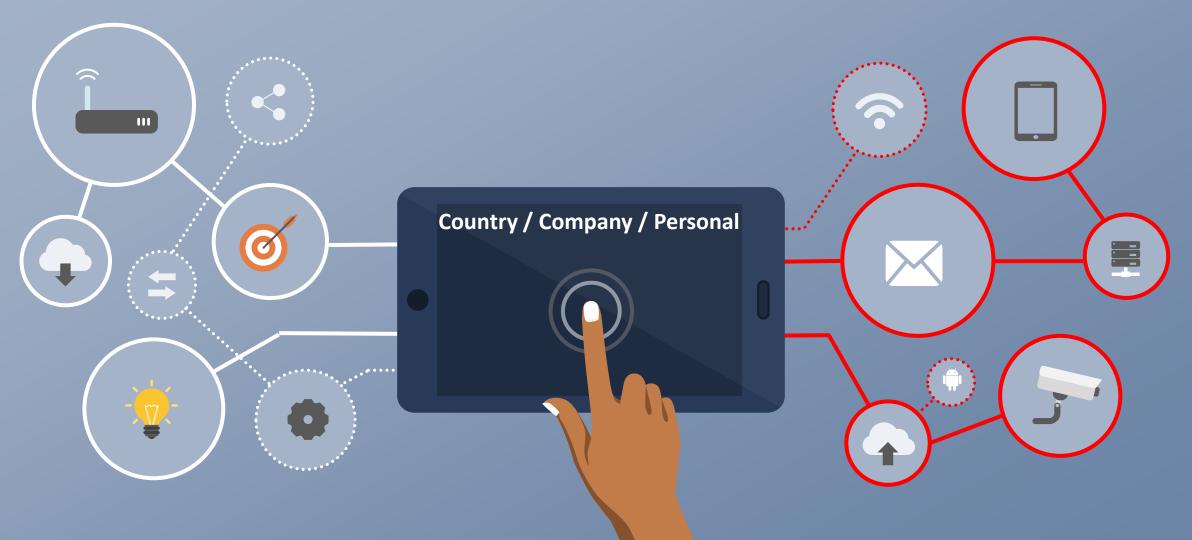
Topics

- Online Safety
- Social Media
- Scams and Fraud
- Kids Safety Online





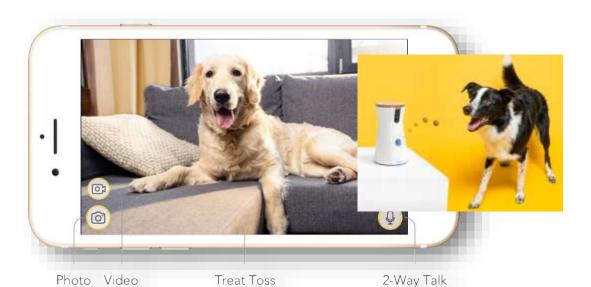
Cyberspace can unlock serious opportunities...and risks!





Rapid Advances in Personal Technology













Demo Targeting Digital Devices



odan Developers Monitor View All_



jaws/1.0 "last modified" port: "80"





Explore

Downloads

Reports

Pricing

Enterprise Access



Exploits

Maps

Share Search

▲ Download Results

■ Create Report

TOTAL RESULTS

10,505

TOP COUNTRIES



1077140	1344
Iran, Islamic Republic of	1,240
United States	800
Germany	739
Viet Nam	496

TOP ORGANIZATIONS

Telecom Italia	692
Deutsche Telekom AG	387
Turk Telekom	258
Vodafone Italia DSL	136
HiNet	136

TOP OPERATING SYSTEMS

Linux 3.x 133

New Service: Keep track of what you have connected to the Internet. Check out Shodan Monitor

● 82.81.19.38 C

bzg-82-81-19-38.red.bezegint.net

Bezeg International

Added on 2019-10-21 12:14:42 GMT

Israel, Tel Aviv

Technologies: C

HTTP/1.1 200 OK

Server: JAWS/1.0 Dec 8 2017

Content-Type: text/html

Date: Mon, 21 Oct 2019 13:27:04 GMT

Last-Modified: Fri, 1 Dec 2017 06:21:17 GMT

Content-Length: 3253

● 62.90.235.75 C

62-90-235-75 barak net il

013 Netvision

Added on 2019-10-21 12:08:37 GMT

Israel, Rehovot

Technologies:

HTTP/1.1 200 OK

Server: JAWS/1.0 Aug 12 2019

Content-Type: text/html

Date: Mon, 21 Oct 2019 13:06:38 GMT

Last-Modified: Tue, 14 May 2019 01:53:07 GMT

Content-Length: 3253

● 41.66.246.59

Vodafone Ghana

Added on 2019-10-21 12:11:10 GMT

Ghana

Technologies: C

HTTP/1.1 200 OK

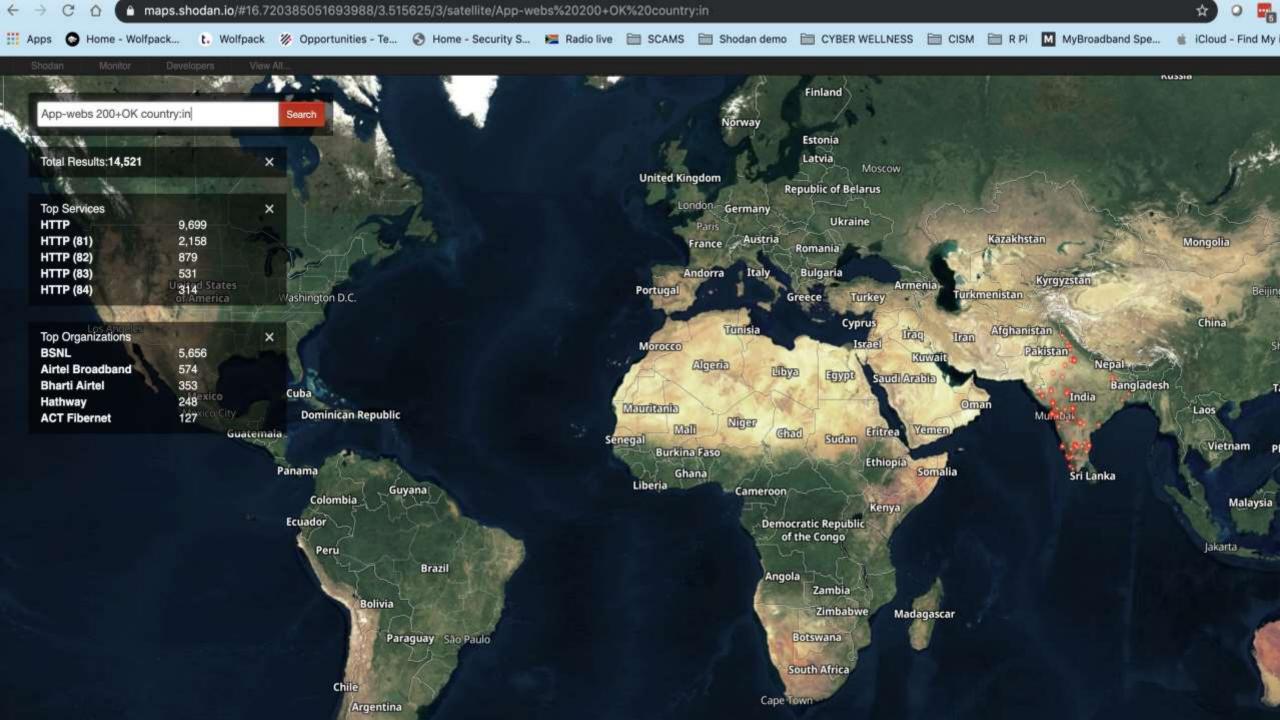
Server: JAWS/1.0 Apr 13 2016

Content-Type: text/html

Date: Mon, 21 Oct 2019 07:51:59 GMT

Last-Modified: Fri, 18 Dec 2015 02:36:10 GMT

Content-Length: 2971

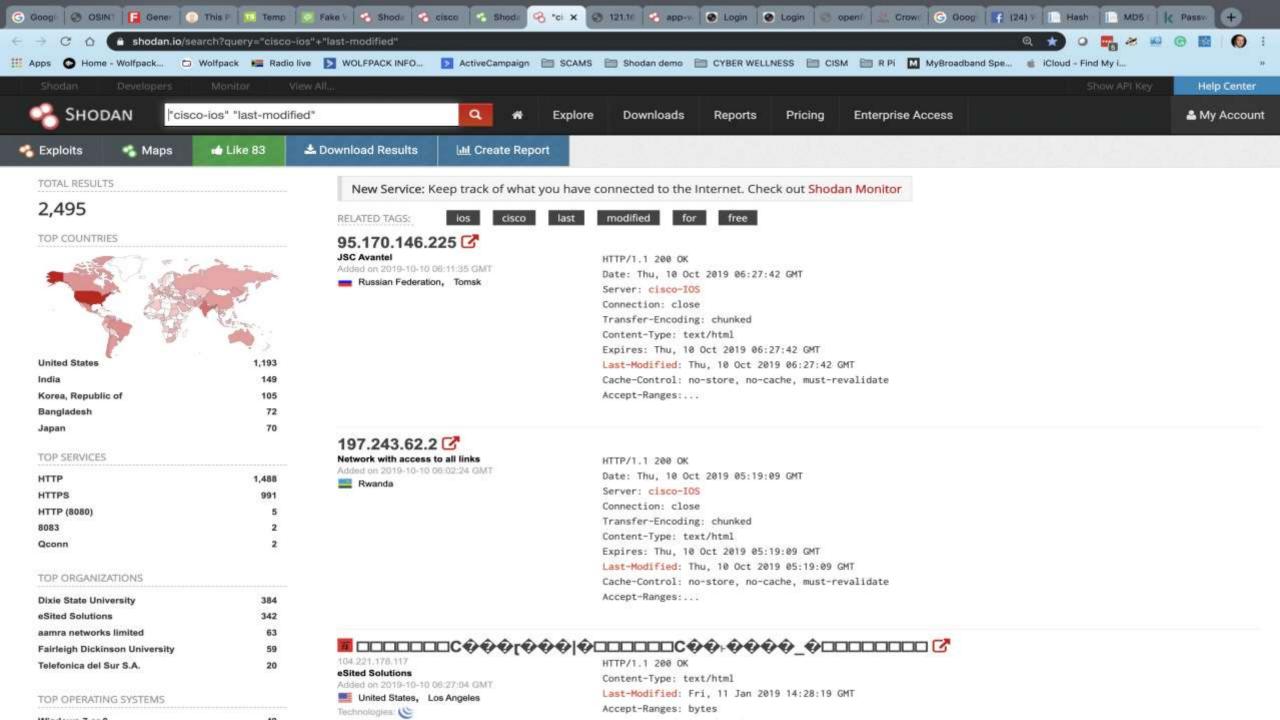


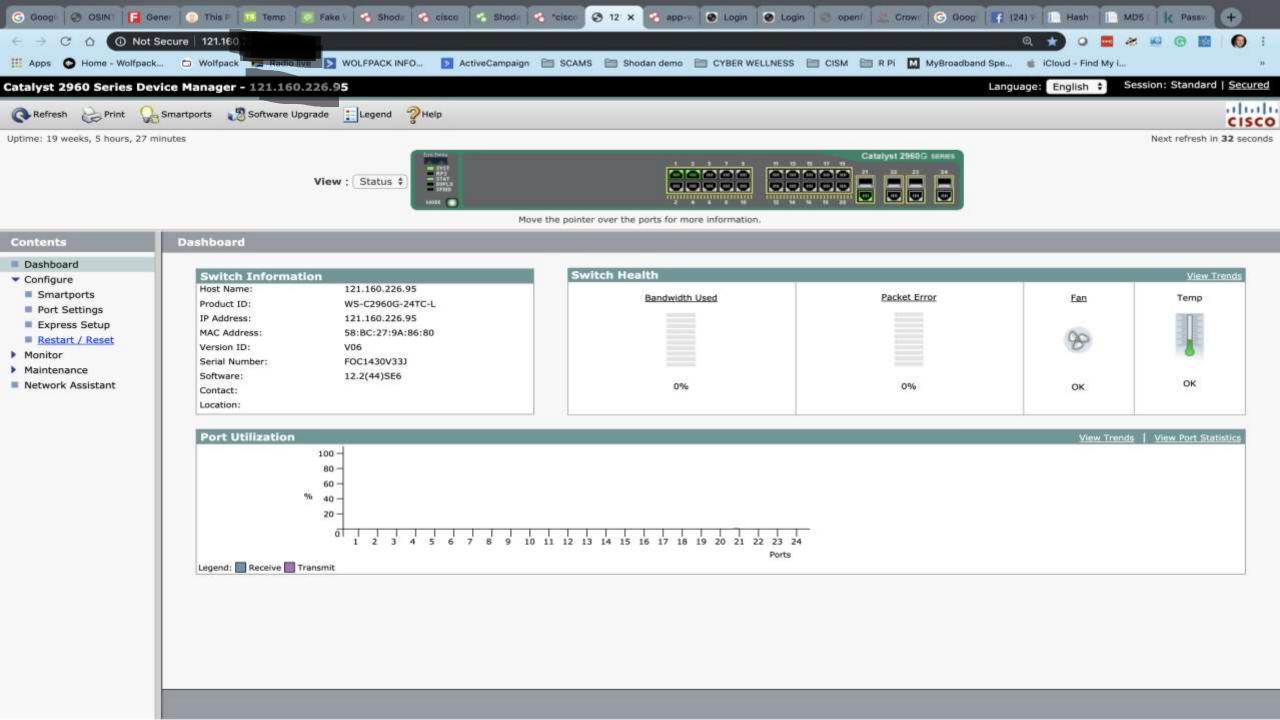


HIKVISION



```
VCI JION VIOVIO COPYLIGHT
DasanNetwork Solution
UseUserCredential
password
User Password
0MLog
root:
empty or is not available to view
WPAPSK
pppoe_password
admin:
login:
password:
Hello: World!
H0m3l4b1t: YES
var XOntName = "GPON Home Gateway";
diag_result = "";
DSL-2750B
charset
VACRON
httpd
SAMEORIGIN
WR841N
```





The World Economy in Numbers

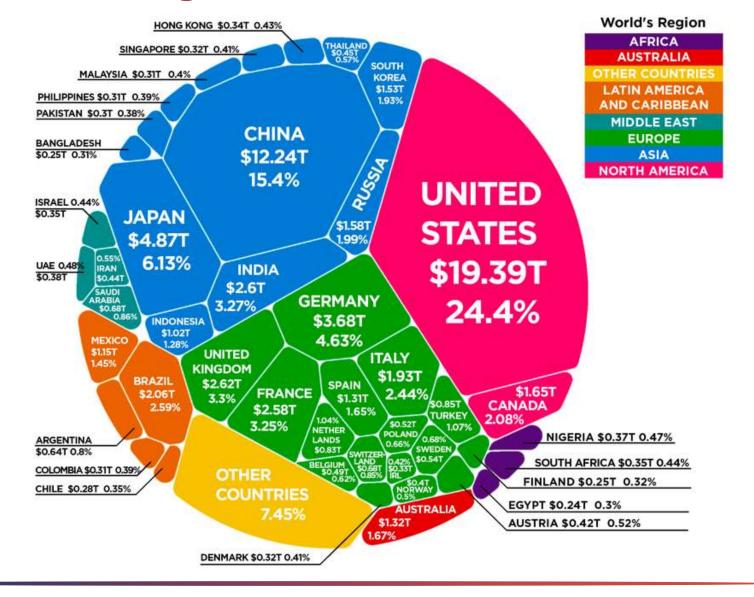
Global GDP?

\$80.7 Trillion

Cyber GDP?

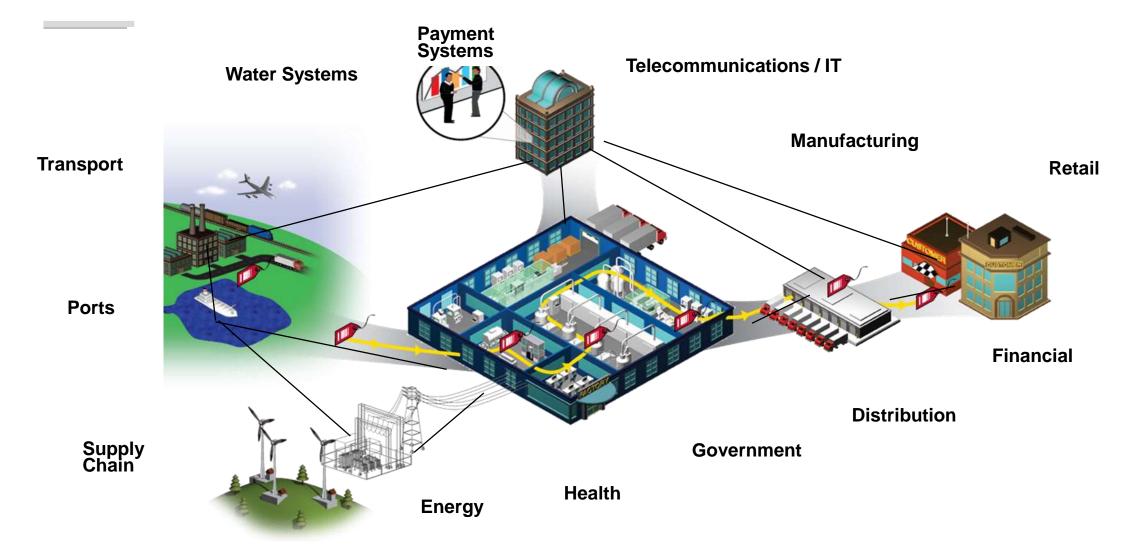
15% = \$12 Trillion

Source: databank.worldbank.org





Critical Information Infrastructure





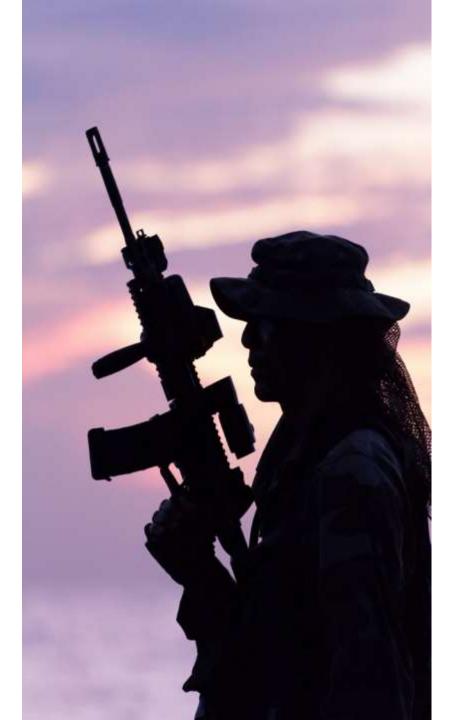
BLACK OPS

GOVERNMENT SPONSORED ATTACKS (MILITARY / INTELLIGENCE)

MERCENARY / BLACK HAT HACKERS

TERROR GROUPS

HACKTIVISTS



CYBER METHODS

INTELLIGENCE GATHERING

INTELLECTUAL PROPERTY THEFT

PROPAGANDA & MISINFORMATION

CRITICAL INFRASTRUCTURE DAMAGE

TERROR FUNDING

DISTRIBUTED DENIAL OF SERVICE



CYBERCRIMINALS



TEAM LEADER



CODER



NETWORK ADMINISTRATOR



INTRUSION SPECIALIST



DATA MINERS



MONEY SPECIALIST

Source: www.raconteur.net



CYBER METHODS

FINANCIAL THEFT

EXTORTION (BUSINESS DISRUPTION / INFORMATION LEAKAGE)

COLLUSION

SCAMS

Cybercriminal Code of Ethics

"If you don't care about protecting your stuff from the likes of us, don't worry: You're our favourite type of customer!"



THE INSIDERS

HACKTIVISTS

DISGRUNTLED EMPLOYEES

RECKLESS EMPLOYEES

UNAWARE EMPLOYEES

3rd PARTIES



CYBER METHODS

INFORMATION LEAKS(Accidental / Intentional)

FRAUD

COLLUSION

SOCIAL ENGINEERING

EXTORTION

DARK WEB ACTIVITY

RANSOMWARE



Cyber Risk Management Bootcamp

WHO... WHAT...WHEN...WHERE...HOW **Threat Actor** (Introduces) Threat (Exploits) **Exposure Vulnerability** (Leads to) Risk (Can impact) **Asset**

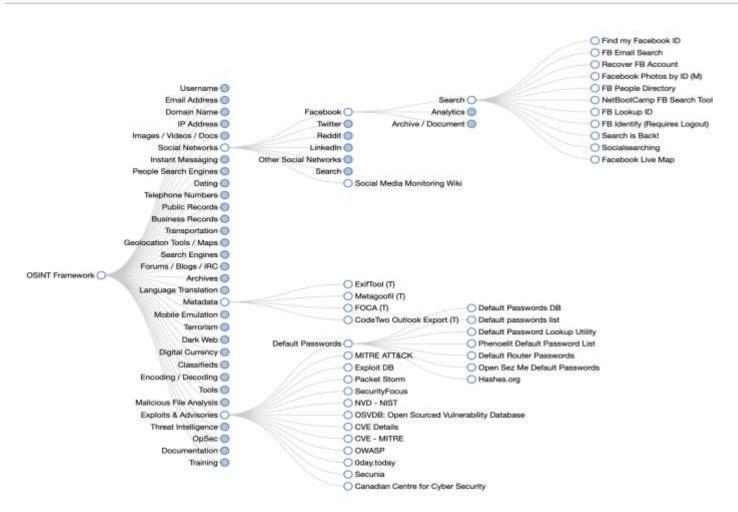


Demo Targeting Humans





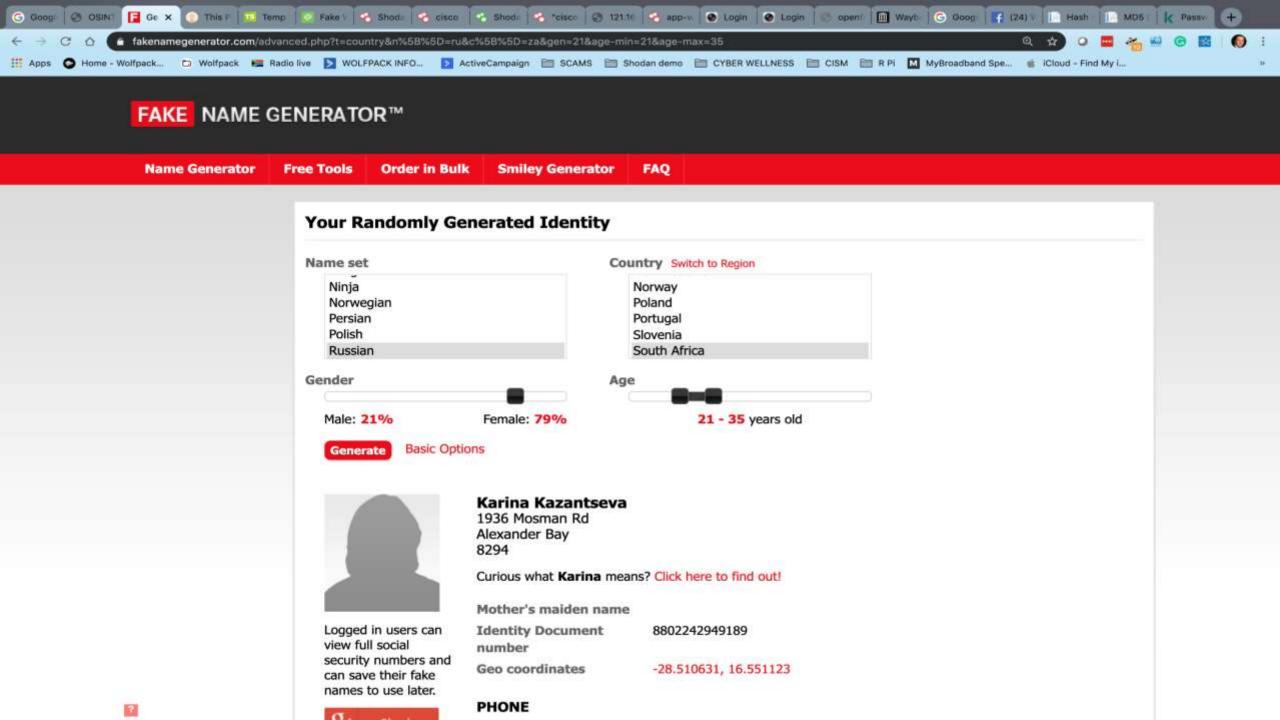
itself must be edited manually

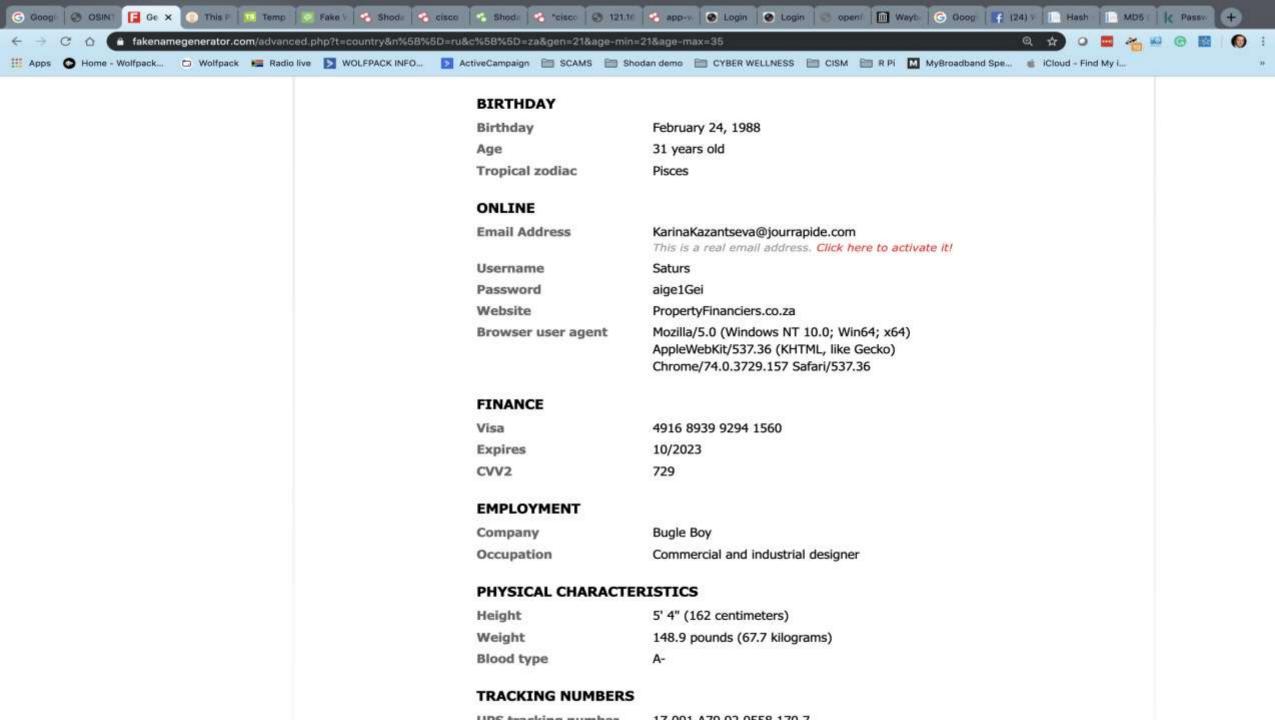


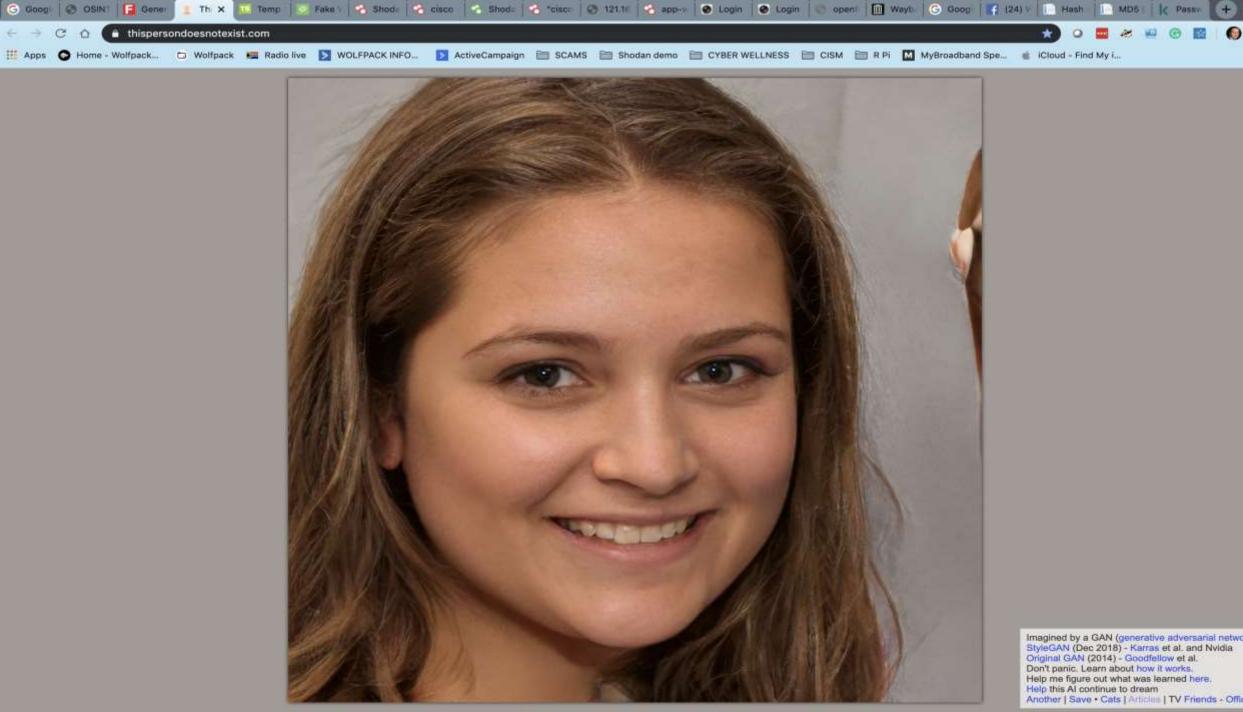
Notes

OSINT framework focused on gathering information from free tools or resources. The intention is to help people find free OSINT resources. Some of the sites included might require registration or offer more data for \$\$\$, but you should be able to get at least a portion of the available information

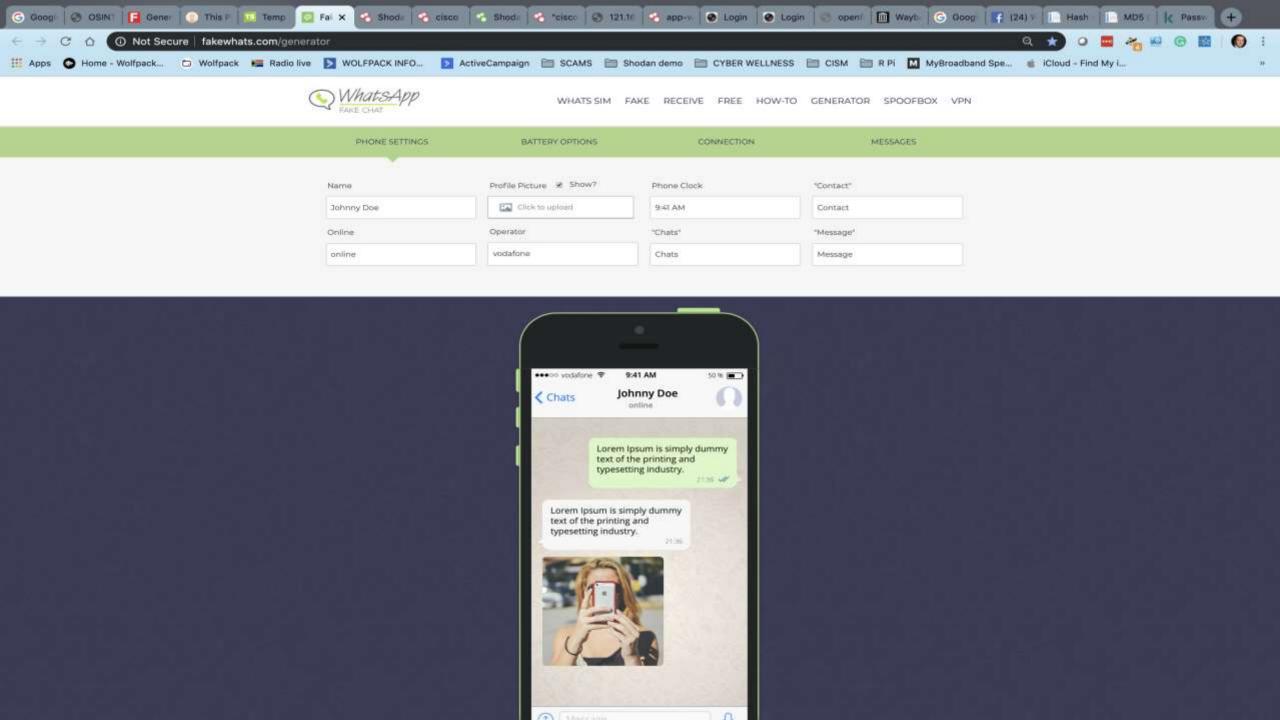
I originally created this framework with an information security point of view. Since then, the response from other fields and disciplines has been incredible, I would love to be able to include any other OSINT resources, especially from fields outside of infosec. Please let me know about anything that might be missing!

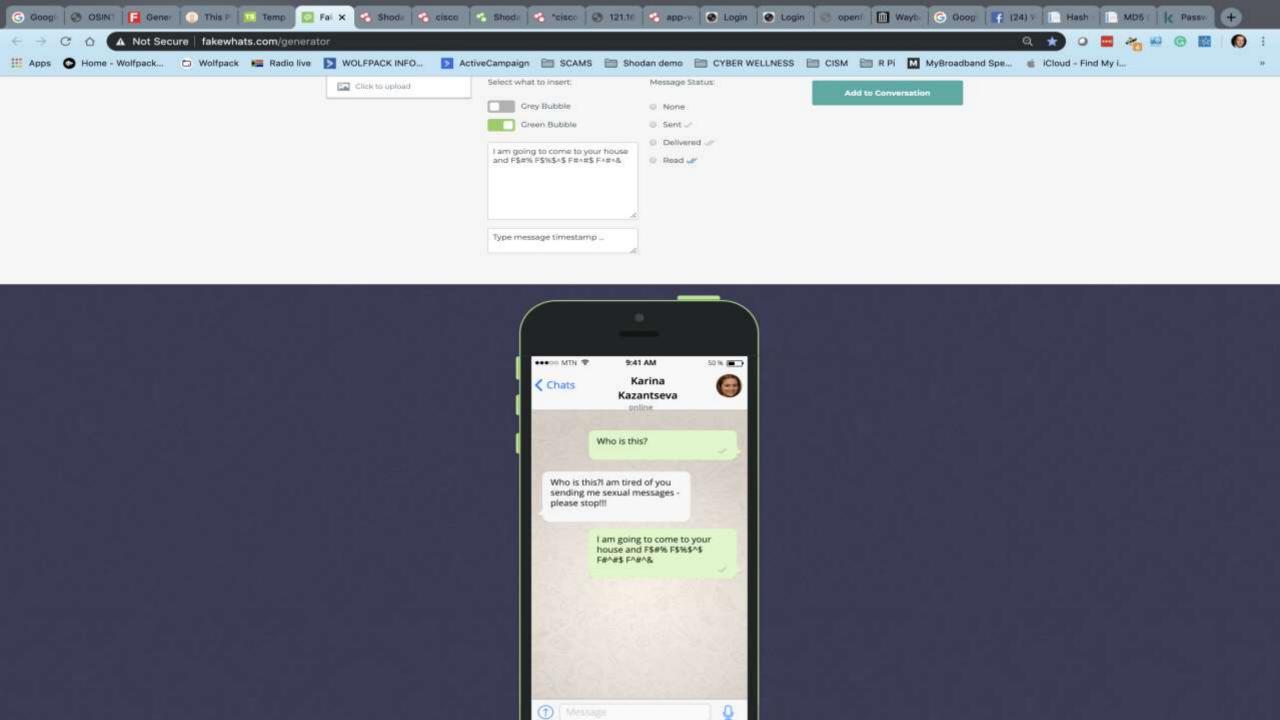






Imagined by a GAN (generative adversarial network)
StyleGAN (Dec 2018) - Karras et al. and Nvidia
Original GAN (2014) - Goodfellow et al.
Don't panic. Learn about how it works.
Help me figure out what was learned here. Help this Al continue to dream Another | Save • Cats | Articles | TV Friends • Office | x





Targeting Humans – Remote Access













Targeting Humans – Physical Access















Cyber Self Defence



www.alertafrica.com



HOME NEWS CYBER THREATS CYBERCRIME DEFENCES

REPORT CYBERCRIME

CONTACT US RESOURCES

Reporting Cybercrime



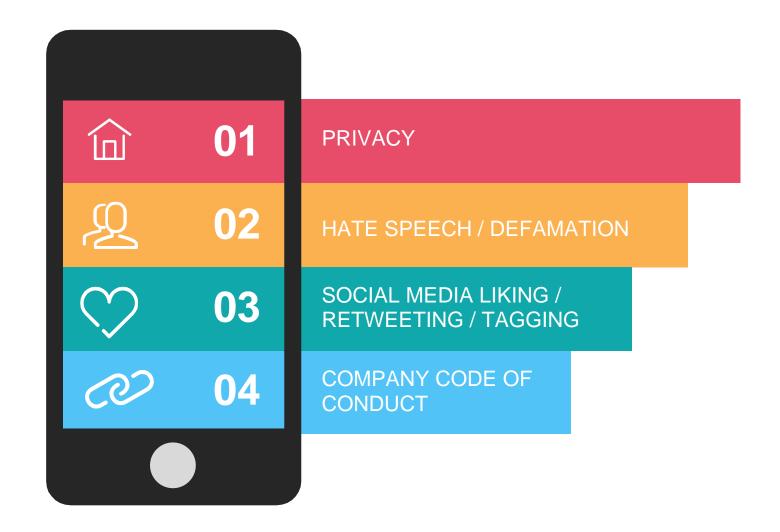


Social Media - Pros & Cons





The Social Media Small Print...



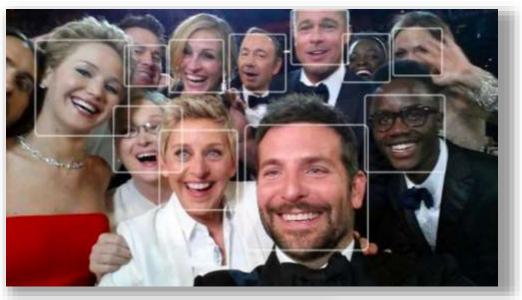


Tagging, Liking & Retweeting













NETFLIX

THE FILM



Cyber Bullying

- Threatening / abusive messages
- Doxing posting sensitive info online
- Suicide pacts / apps / games



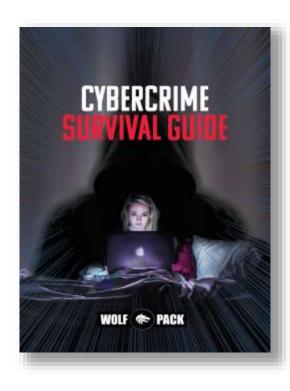




Cyber Bullying – More Information







Carte Blanche Video:

https://www.youtube.com/watch?v=yiILyfpaFxY

Protection from Harassment Act, 2011: http://www.justice.gov.za/forms/form_pha.html

Cybercrime Survival Guide: https://www.wolfpackrisk.com/research







Actual Case - Cyber Fraud

Hello Alert Africa.

My name is Snegugu and I would like to report a cybercrime incident.

My personal details are:

Name and Surname: xxx

Date of Birth: Date of Birth 1995-xx-xx

I am: Female

My ID / Passport Number: xxxxxxxxxx

My Postal Address: xxxxxx

Umlazi 4031

My contact details: Phone: 063xxxxxxx6 Email: xxxxx@gmail.com

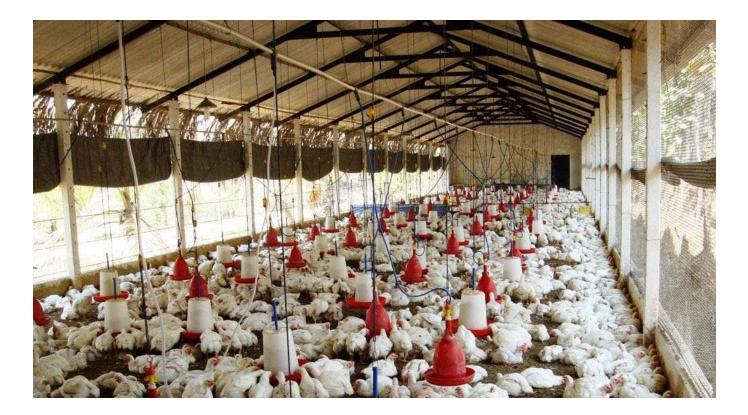
About the Incident:

The incident happened on: 2019/05/15

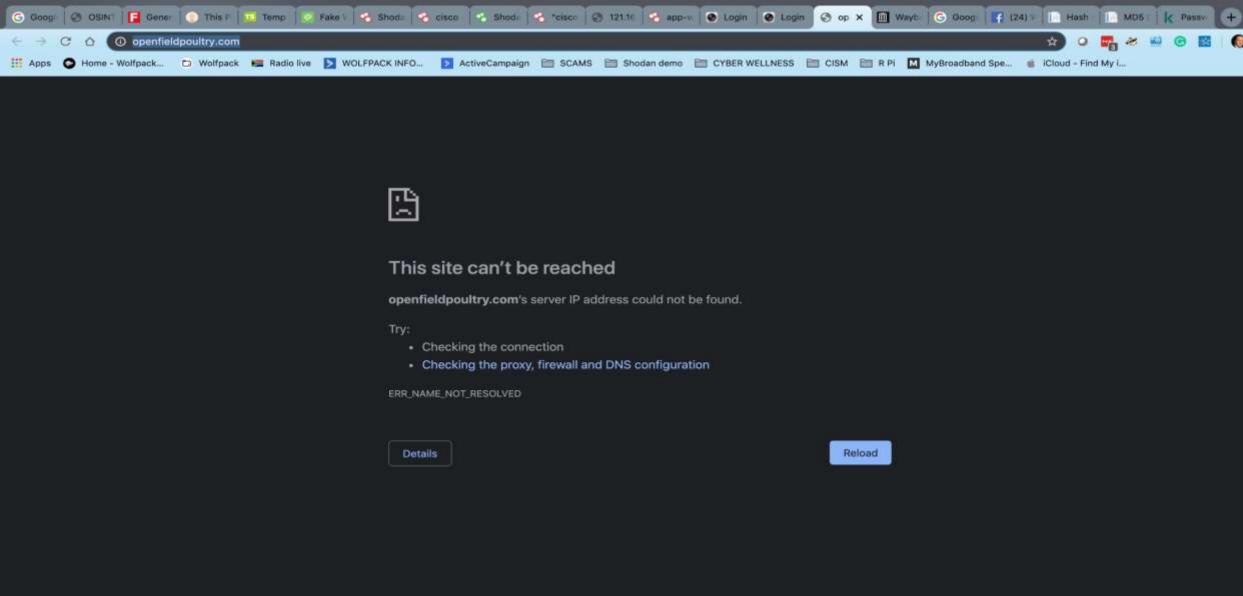
Type of Crime: Internet fraud

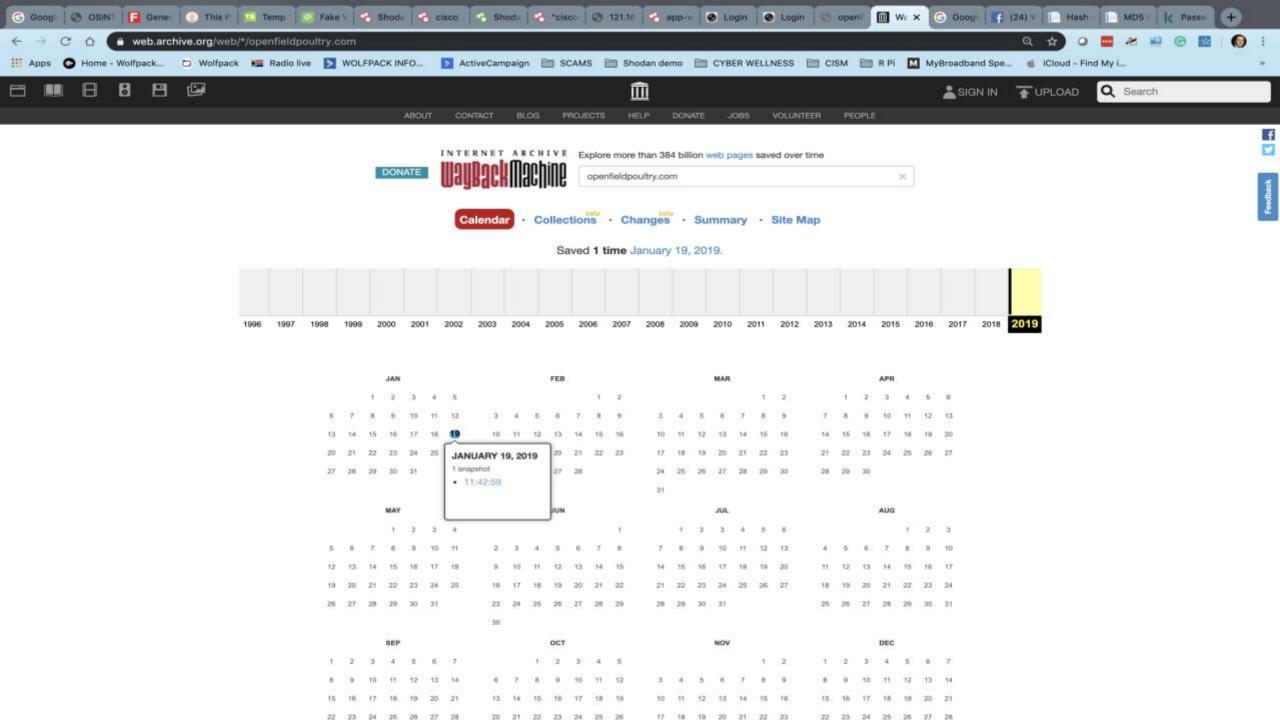
This is what happened:

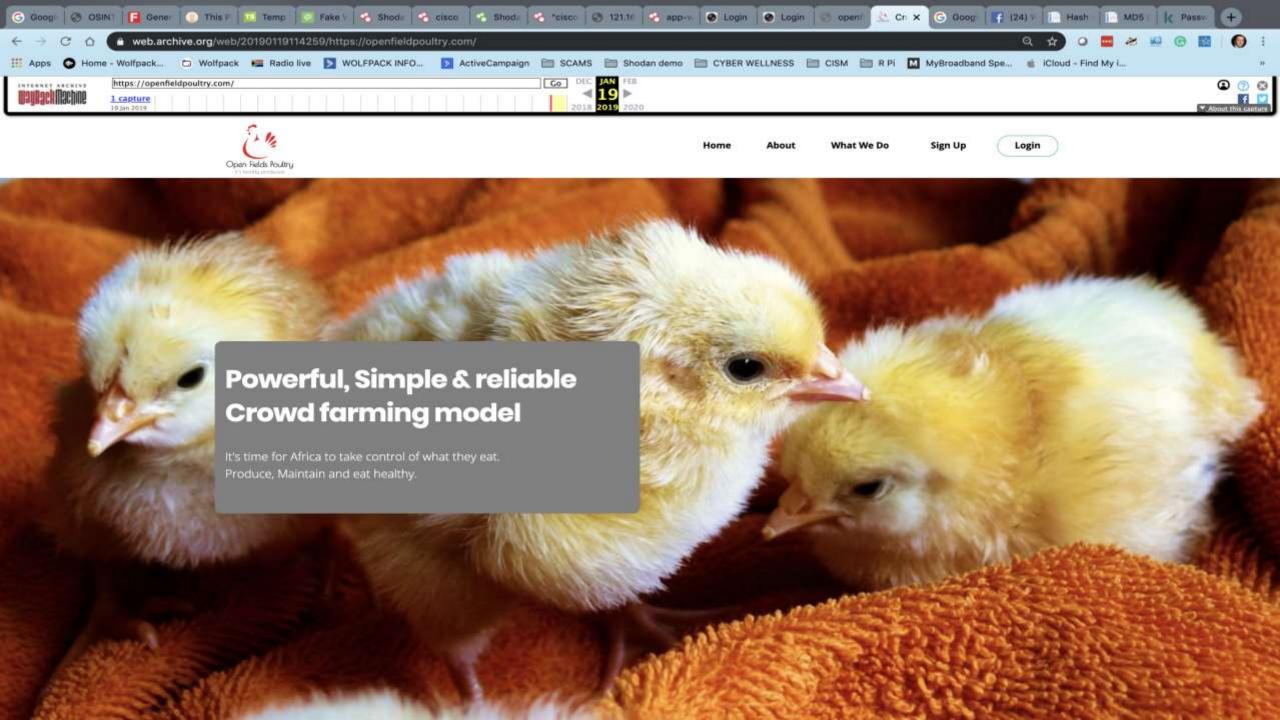
There's a company called OpenField Poultry, they claimed to be a poultry farm, they started an investment from R35 per chick with interest of R19.50, for 3 months they paid and now they are giving us excuses, the director is Ntokozo Shange, theres over 2000 of us scattered accross the world











Crowd Farming Options

While you can invest as little as R35 with no limit, we illustrate below of returns which one can enjoy in just 57 days from your first purchase and investment in our investment model.

Starter

Basic Solution

R35

56/days

- Day Old chick 1
- ✓ Investment R35.00
- Period (Days) 56
- Return R54.00
- Profits R19.00
- Service Fee -R5.50
- Payable R48.50

CHOOSE PLAN

Advance

Advance Solution

R3500

56/days

- Day Old chick 100
- Investment R3500.00
 - Period (Days) 56
 - Return R5400.00
 - Profits R1900.00
- Service Fee -R550.00
- Payable R4850.00

CHOOSE PLAN

Masters

Masters Solution

R35000

56/days

- Day Old chick 1000
- Investment R35 000.00
 - Period (Days) 56
- Return R54 000.00
- Profits R19 000.00
- Service Fee -R5 500.00
- Payable R48 500.00

CHOOSE PLAN



Our Story

Founded in South Africa, Open Field chicken is South Africa's first biggest black female owned poultry house growing and supplying wholesalers and major distributors of all poultry products. Open Field started from just 1000 chickens in 2015 as a co-operative and later change to a private company (Pty) LTD and grew to create a national footprint across South Africa with farms in Wasbank, PMB, Nquthu and Estcourt in Kwa Zulu Natal with future plans to lease additional farms in Gauteng and free state in 2019.

Expertise

We have vast experience in Agri Science with years of practical experience in poultry producing, supply chain management and business management. We consist of a highly qualified team which is hands on and have personally invested on the business and all its operations.

Strategy

Our latest strategy which is aimed at addressing the national crisis of locally produced chicken includes embarking on a mass crowd farm model which will allow individuals to invest on day old chicks, feed and in return get profits from little to no more commitment.

OPEN FIELD POULTRY

Book your visit to any of our farms to see how it's done, next farm fair date to 16/17 February 2019 Privacy Policy Terms & Conditions





➡ Email:
 support@openfieldpoultry.co.za
 ➡ Web: www.openfieldpoultry.co.za

HEAD OFFICE

Johannesburg, Bryanston Cedarwoods 33 Ballyclare drive, Ballywoods Office Park,, Cedarwood House, ground floor Bryanston, suit Office Number 124.

COMPANY DETAILS

Company Reg: 2015/007944/07 Income Tax: 9204634191 Declaration No: EME 2017-2018/026920/07

Recommended Cyber Risk Management Approach



Business View - Example

STRATEGIC STAKEHOLDERS

- 1. International HO
- 2. Investors
- 3. Regulators
- 4. Auditors / Lawyers
- 5. Outsource / Cosource providers

TANGIBLE ASSETS

- 1. People
- 2. Cash
- 3. Core Applications
- 4. Infrastructure

INTANGIBLE ASSETS

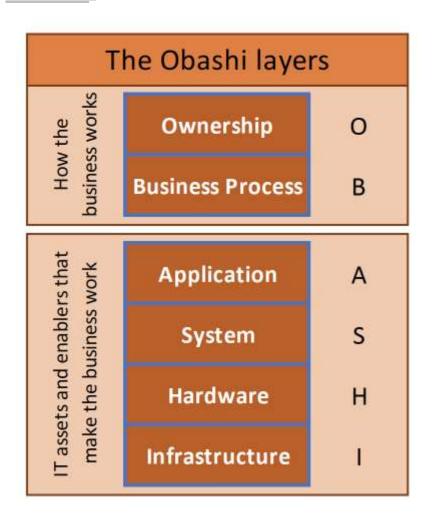
- 1. Intellectual Property
- 2. Brand / Reputation
- 3. Goodwill / Relationships
- 4. Strategic plans

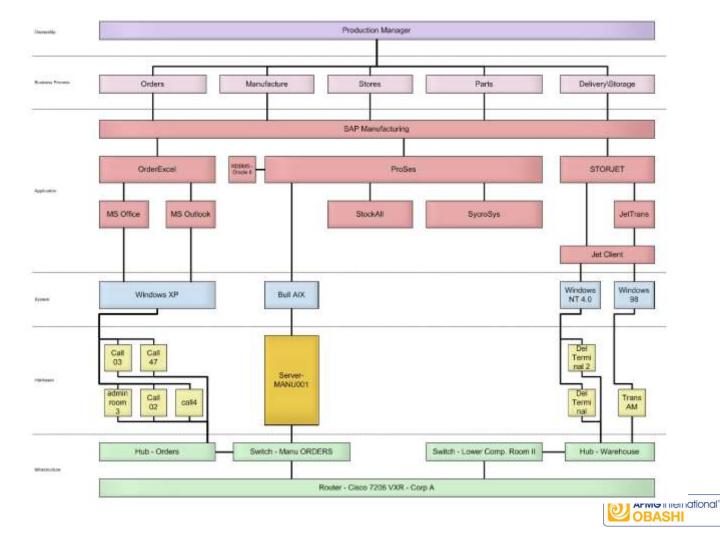
STRATEGIC CUSTOMERS

- 1. Large Corporates
- 2. Resellers
- 3. **OEM /** Partnerships
- 4. VIP Individuals



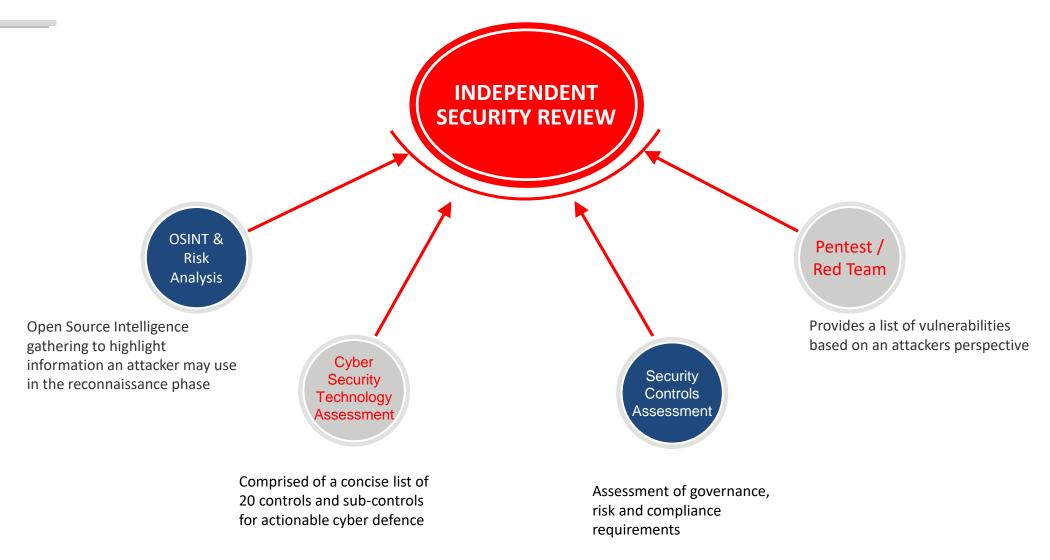
OBASHI: Business & IT Assets - Diagrams / Data Flow





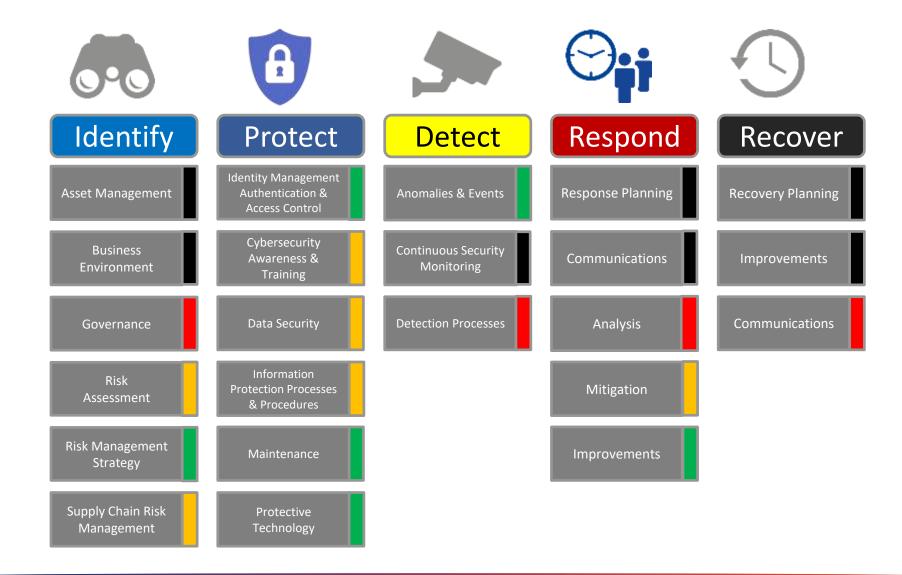


Cyber Security Risk Assessment Components



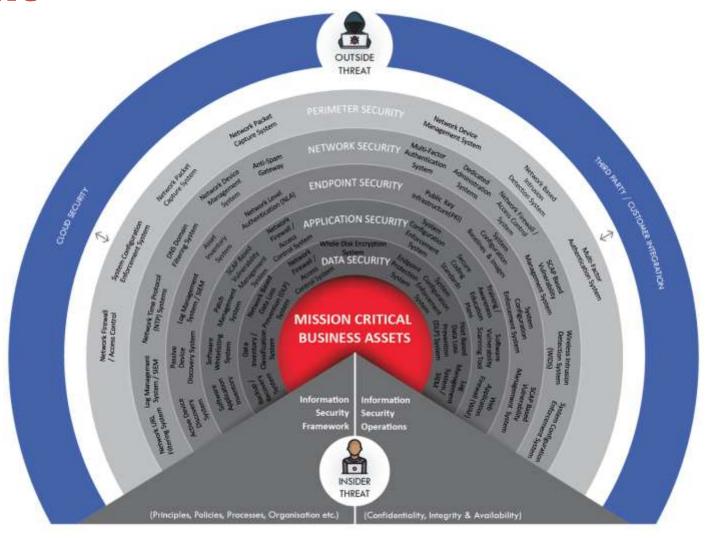


NIST Cyber Security Framework



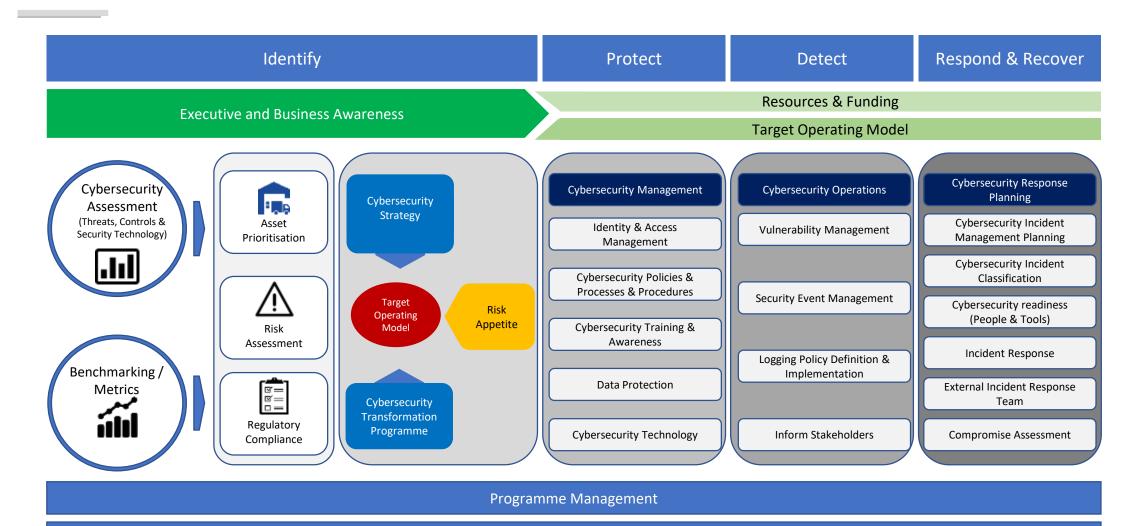


Cybersecurity Technology Architecture Assessment





Cybersecurity Transformation Programme

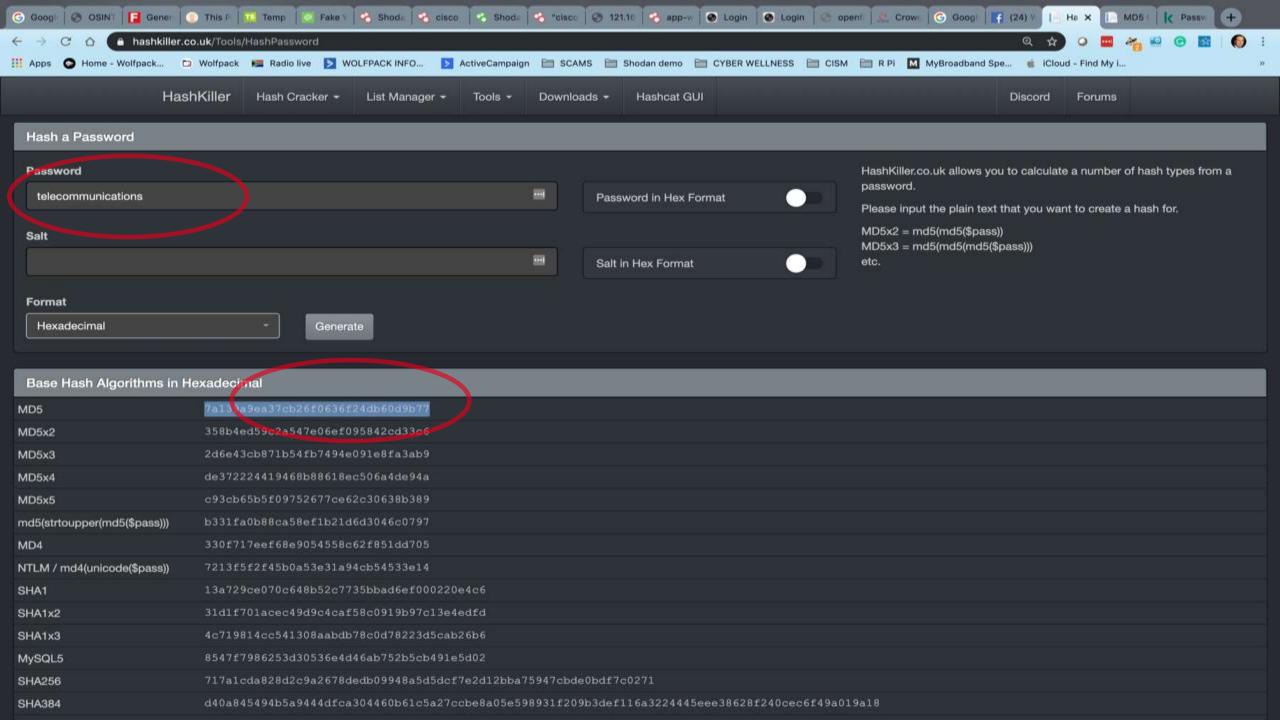


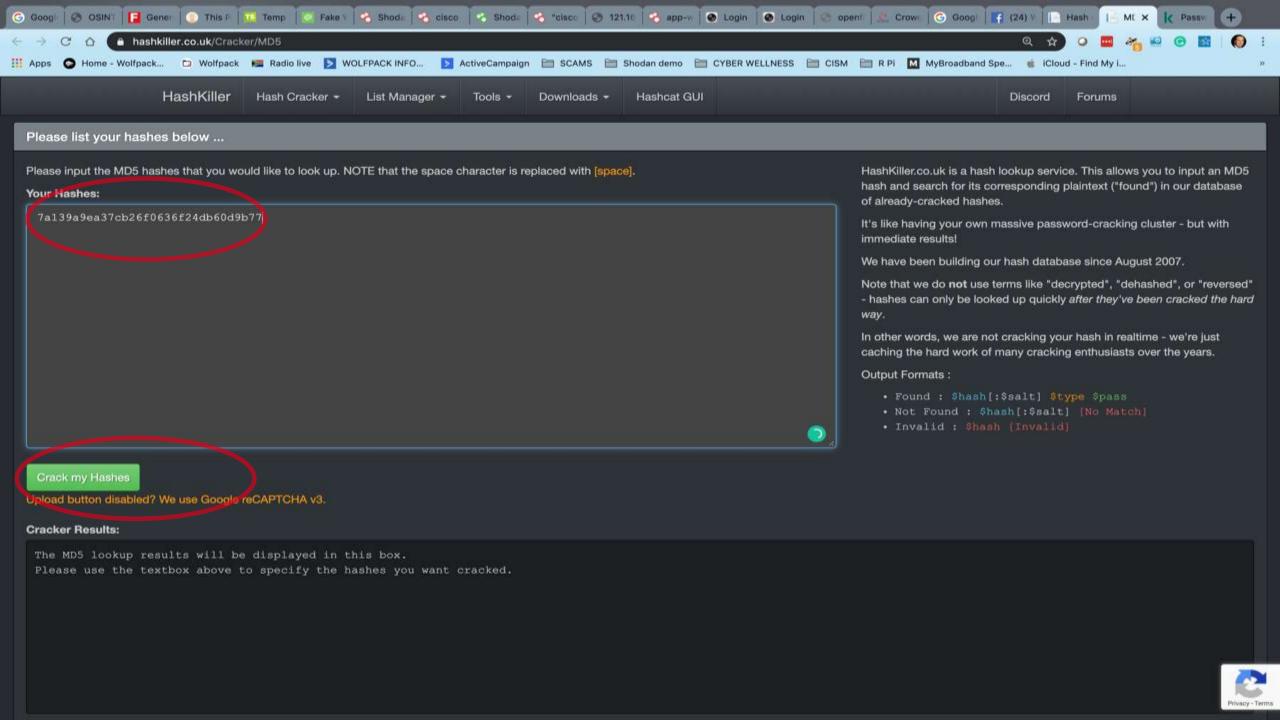


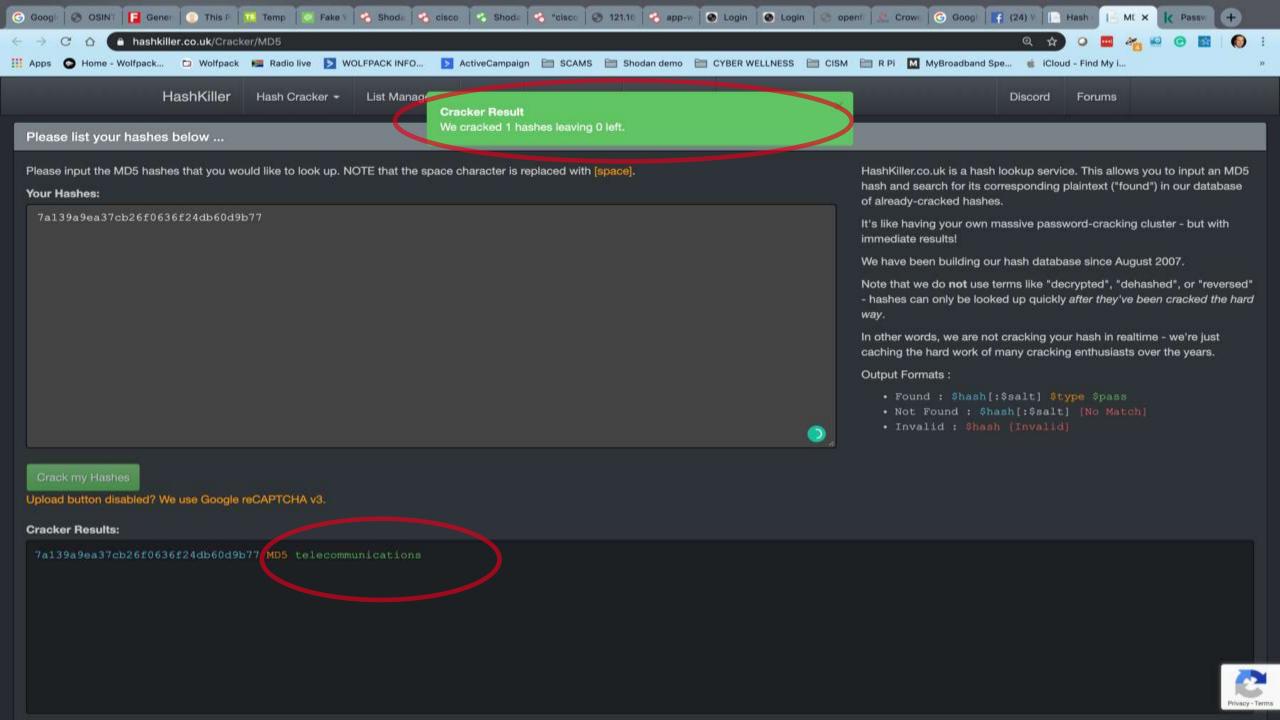
Organisational Change Management

QUICK TIPS Hands On with Passwords

WOLF (*) PACK











▲ There are widely used combinations

Your password will be bruteforced with an average home computer in approximately





Oops! Your password could be cracked faster than you can say "Oops!"





Your password will be bruteforced with an average home computer in approximately





Oops! Your password could be cracked faster than you can say "Oops!"





boerewors

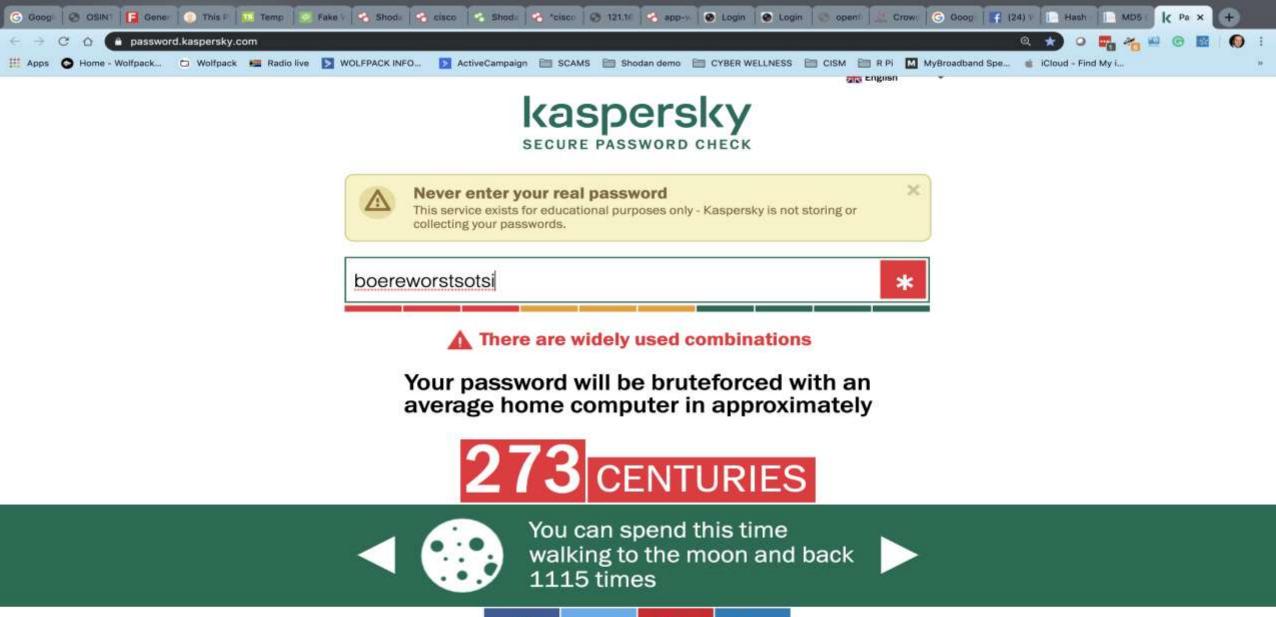
▲ There are widely used combinations

Your password will be bruteforced with an average home computer in approximately









ACCEPT

Creating Strong Passwords



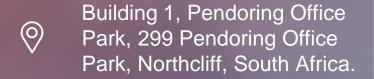


https://password.kaspersky.com/





Thank you!





(+27) 11 794 7322



info@wolfpackrisk.com www.wolfpackrisk.com