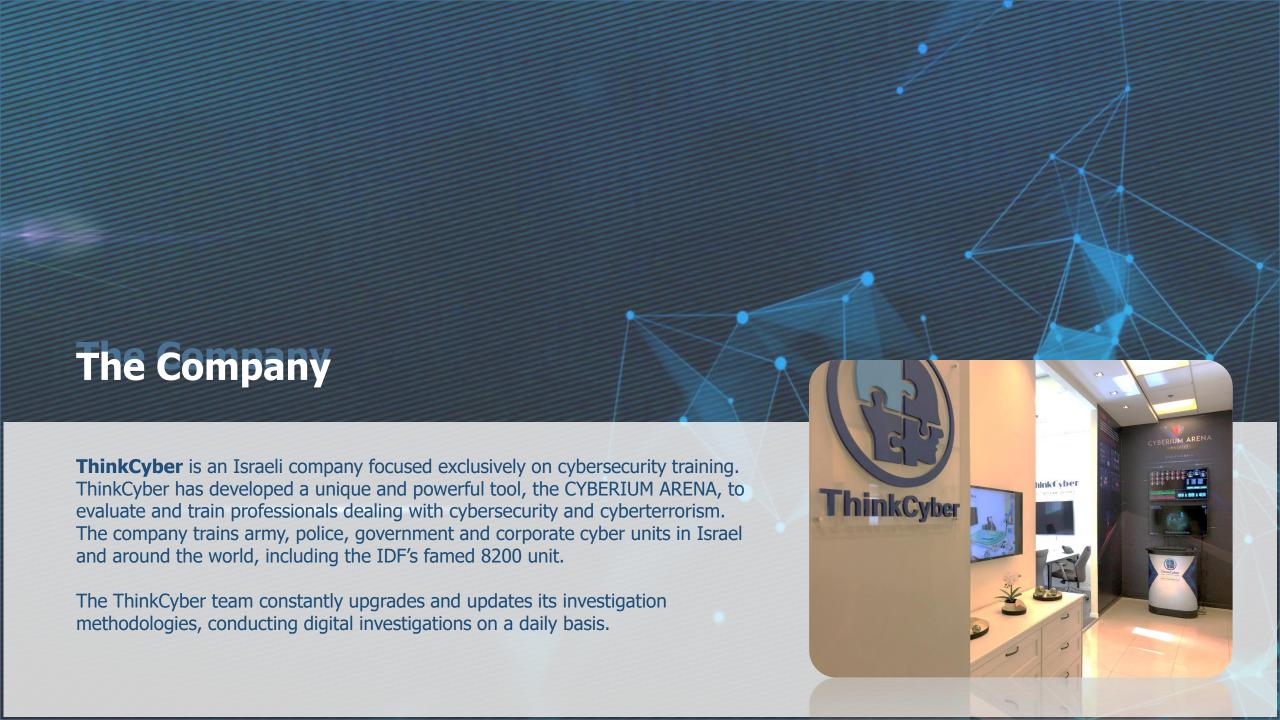
Introduction to Cyber Security Ghana Sep '19







- How many attacks accrue a day?
- Are small businesses under threat as well as the big players?
- What industry is most vulnerable and why?
- What country is most likely to be under attack?

Under attack





Live Cyber-Map





https://threatmap.checkpoint.com/

What happens (in Cyber) every day

There is a hacker attack every **39 seconds**

Every 34 seconds a malicious software/malware is being downloaded

43% of cyber attacks target small business

Every 36 minutes sensitive information is being leaked out of an organization

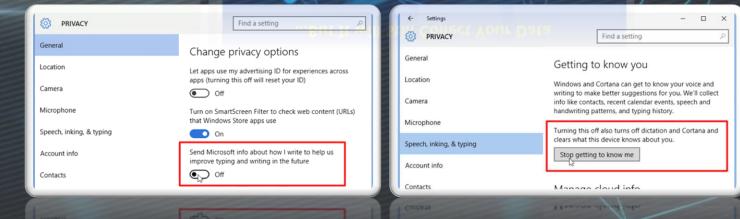
95% of cybersecurity breaches are due to human error



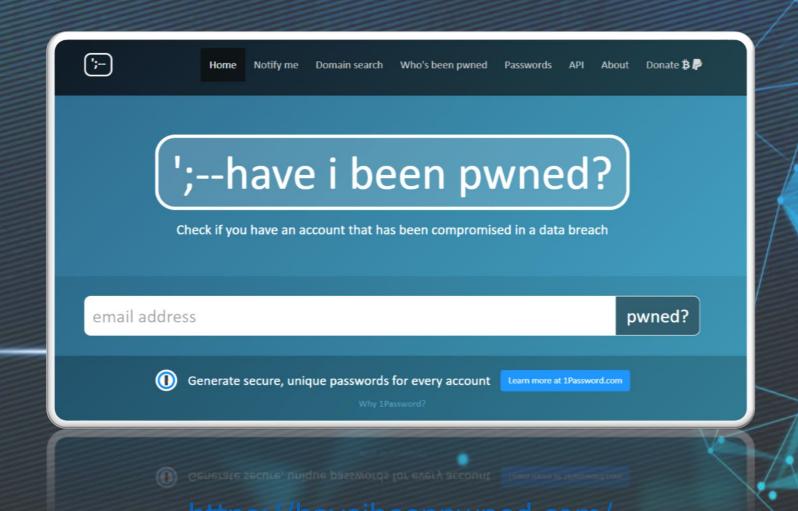


Scary facts...





Have you been HACKED?!



How easy is it really...

■ PlasmaHTTP	Sources - Andromeda, Rubilyn, PlasmaHTTP, Bshades Fusion	4 years agu
PowerLoader	PowerLoad source & Code change	5 years ago
RansomwareJigsaw	Jigsaw ransomware source	3 years ago
Rovnix	Added a few more very interesting sources	5 years ago
Rubilyn	colours for NT	2 years ago
ShadowBot_Sep2008	MalwareDB 0.42	6 years ago
ShadowBotv3_March2007	MalwareDB 0.42	6 years ago
SpazBot2.12_June2007	MalwareDB 0.42	6 years ago
TinyBanker_Jan2012	Some name fixing	5 years ago
WBS.Win32.Vabian	MalwareDB 0.42	6 years ago
W32.MyDoom.A	Align Binaries/Source MyDoom folder names.	7 months ago
Win32.BlackWorm	DB> 220601082018	last year
Win32.Carbanak	DB> 122623042019	5 months ago
Win32.DiamondRAT	DB> 110810112018	10 months ago
Win32.LoexBot1.3	DB> 110810112018	10 months ago
Win32.LokiRAT	DB> 220601082018	last year
Win32.LuxNET	DB> 220601082018	last year
Win32.MCRYPT	DB> 110810112018	10 months ago
Win32.MiniPig_Nov2006	MalwareDB 0.42	6 years ago
Win32.MuddyWaterC	DB Ver> 1567586699000	9 days ago
Win32.NinjaBot	DB> 110810112018	10 months ago
Win32.Pegasus	Pegasus/Buhtrap/Ratopak Leaked Source Code	last year
Win32.QuasarRAT	db update	last year
Win32.Remhead	BlackHole ExploitKit, AryanRAT & more	5 years ago
Control de la co	DD 220004002040	1



https://github.com/ytisf/theZoo/tree/master/malwares/Source/Original

Virus Check



Analyze suspicious files and URLs to detect types of malware, automatically share them with the security community

FILE URL SEARCH



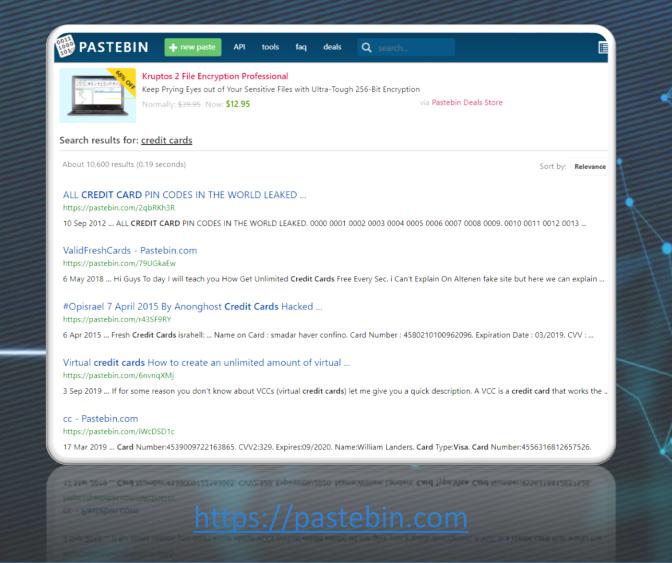
Choose file

By submitting your file to VirusTotal you are asking VirusTotal to share your submission with the security community and agree to our Terms of Service and Privacy Policy. Learn more.

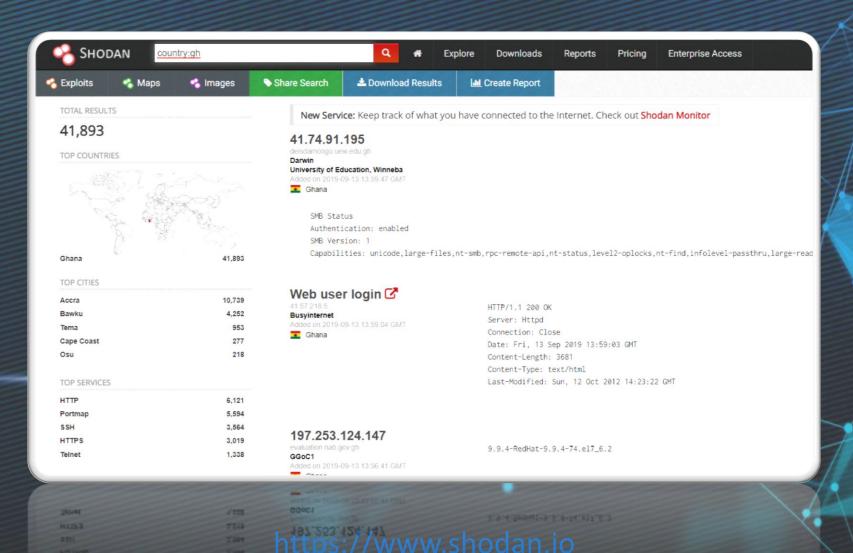


https://www.virustotal.com/

Sensitive data around the internet



How do hackers find us?!

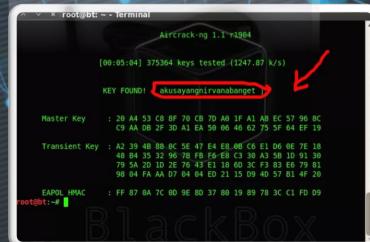


Wi-Fi attacks









Cyber-Attack Tools









Present & Future



Hackers can hijack Wi-Fi Hello Barbie to spy on your children

Security researcher warns hackers could steal personal information and turn the microphone of the doll into a surveillance device



NDY GREENBERG SECURITY 07.21.15 06:00 AM

KILL A JEEP ON THE

HIGHWAY—WITH ME



BABY MONITORS 'HACKED': PARENTS WARNED TO BE

VIGILANT AFTER VOICES HEARD COMING FROM

SPEAKERS

Parents have heard voices coming from their baby's rooms / Getty

Some parents reported how they had walked into their child's room in the middle of the night only to hear men speaking down the monitors at their children

ELEANOR ROSS

Saturday 30 January 2016 13:29 GMT



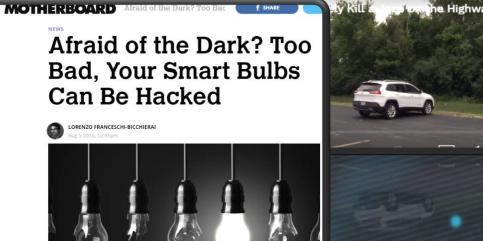
















What can be done?







CYBERIUM ARENA

SIMULATOR

THE ULTIMATE CYBER SECURITY TRAINING TOOL

Example (video) >> Israeli special cyber forces using the CYBERIUM scenarios to evaluate their soldiers.

https://youtu.be/5xwgzhzG1Go



CYBERIUM



CYBERIUM CLIENT

Features a slick UI with a mission screen and helpful tools for solving the scenarios.



T1 (OPERATOR) screen

Shows the progress of the class in real time.



T2 (LEADERBOARD) screen

Calculates all the previous scores in real time.



Training Programs

The CYBERIUM ARENA is built to support any kind of cyber training.

As part of the support given with the system, the customer can also purchase study materials and arrange trainer-to-trainer programs on-site or at ThinkCyber training rooms in Israel.

ThinkCyber has created over 40 training programs, custom-made for different clients in order to support specific needs.

ThinkCyber's biggest advantage is the ability to provide the FULL PACKAGE in the cyber-security world: training, training materials and simulator.

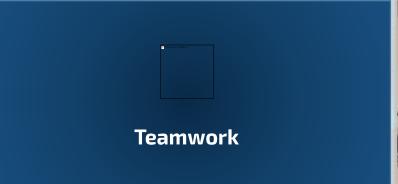














Our Commitment

Questions?

More information can be found on our website ThinkCyber.co.il

This presentation can be downloaded at: https://thinkcyber.co.il/ghana

