

HACKERS - WHO ARE THEY



CLICK [HERE](#) AND WATCH A VIDEO ABOUT THE LIVES OF HACKERS.

CLICK [HERE](#) TO WATCH A VIDEO TO FIND OUT WHAT HACKING IS .

THE CHALLENGE: HOW CAN WE KEEP OUR INFORMATION SECURE

ENTERING THE UNKNOWN

Let's discover why hackers hack.



EXPLORE [THIS VIDEO](#) TO DISCOVER WHY HACKERS HACK.

MEETING THE MENTOR

How are passwords cracked?

LET THESE TEXTS BE YOUR "MENTOR." AVOID A WEAK PASSWORD. WATCH [TALES FROM A HACKER](#)

READ THE INFOGRAPHIC BELOW:

THE MANY FACES OF HACKERS: The Personas to Defend Against

Hackers come in many shapes and sizes and utilize a broad range of attacks to steal valuable data. To prevent security breaches, organizations must understand not only the types of attacks they are likely to face, but the motivations of the hackers.

\$67 Billion+ Spent on IT security in 2013, yet 97% of networks have been breached

CYBER WARRIOR

CHARACTERISTICS:

- State actor motivated by nationalist interests
- Dedicated, highly trained
- Goal - misinformation & cyber warfare (emphasis on economic destabilization)
- Secondary Goal - theft of proprietary IP

MODUS OPERANDI: APTs, Malware, SQL injections, Trojans, Sniffers



PREFERRED TARGETS:

Defense, Government, Energy and Utilities, Technology

'PRINCIPLED' IDEALIST

CHARACTERISTICS:

- Agenda driven hacker; ideologically motivated i.e. anarchist and/or anti-capitalist 'hactivist'
- Commercial entities - driven by hatred of corporate policy
- Government - reaction to a nation state's policy
- Skill level varies
- Dispersed organization structure akin to terrorist cell
- Goal - operational disruption

MODUS OPERANDI: Botnets, DDOS, Trojans, Malware



PREFERRED TARGETS:

Federal & State, Defense, Technology

PROFESSIONAL MERCENARY

CHARACTERISTICS:

- Commercially motivated cybercriminal - part of criminal syndicate
- Sophisticated skills: ruthless, skilled, technically proficient
- Significant resources and agile organizational ability
- Goal - steal personal and corporate financial information to resell and/or re-direct funds

MODUS OPERANDI: APTs, SQL injections, Malware, Trojans, Sniffers; preference for 'snatch and grab' heist attacks via e-commerce portals

PREFERRED TARGETS:

Financial Sector, Retail, Healthcare

On average, it takes 49-80 days to detect a breach and 83-123 days to respond to a breach

MALICIOUS INSIDER

CHARACTERISTICS:

- Commercially or ideologically motivated employee; may also be an ex-employee sabotaging operations for revenge
- Trained and proficient, insider knowledge
- Typically an individual
- Goal - steal national intelligence, trade secrets and proprietary IP

MODUS OPERANDI: Data theft via email, USB or mobile; Disruption via servers/network

PREFERRED TARGETS:

Employer, ex-employer

NATIONALIST

CHARACTERISTICS:

- Fierce nationalist
- Hacking skills vary - typically low to mid-level
- 'Proxy' non state actor i.e. 'patriot' volunteer - works from home
- Goal - steal proprietary IP & trade secrets

MODUS OPERANDI: DDOS, Malware, SQL injections, Trojans



PREFERRED TARGETS:

Federal & State, Defense, Technology, R&D Centers

\$32,469
Average cost per day of a security breach

Average security incidents in 2013

4,529
for Technology companies

1,756
for Industrial Product companies

Greater understanding of these personas can lead to the implementation of optimal security measures to counter likely threats.

TRANSFORMATION

Share what you have learned

GO FOR IT!



WHAT HAVE YOU LEARNED THAT WILL HELP YOU KEEP YOUR INFORMATION SAFE?

MASTERY

Wear your hero badge and show what you know!



WRITE A REFLECTION ABOUT THE YOUR JOURNEY THROUGH HACKER HALL.

RECORD YOUR THOUGHTS ON THIS [PADLET](#).