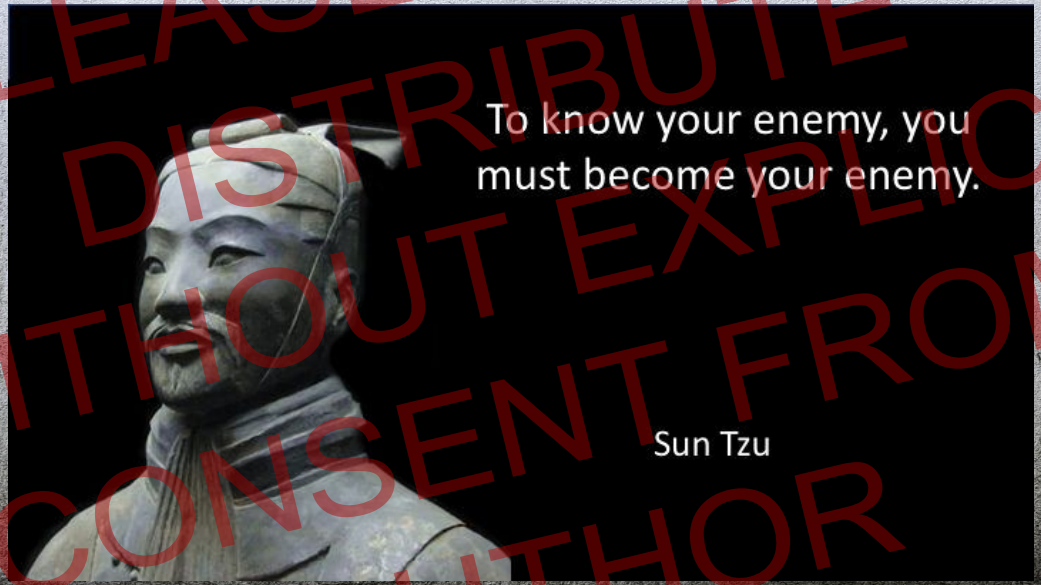
DIY APTs for your protection



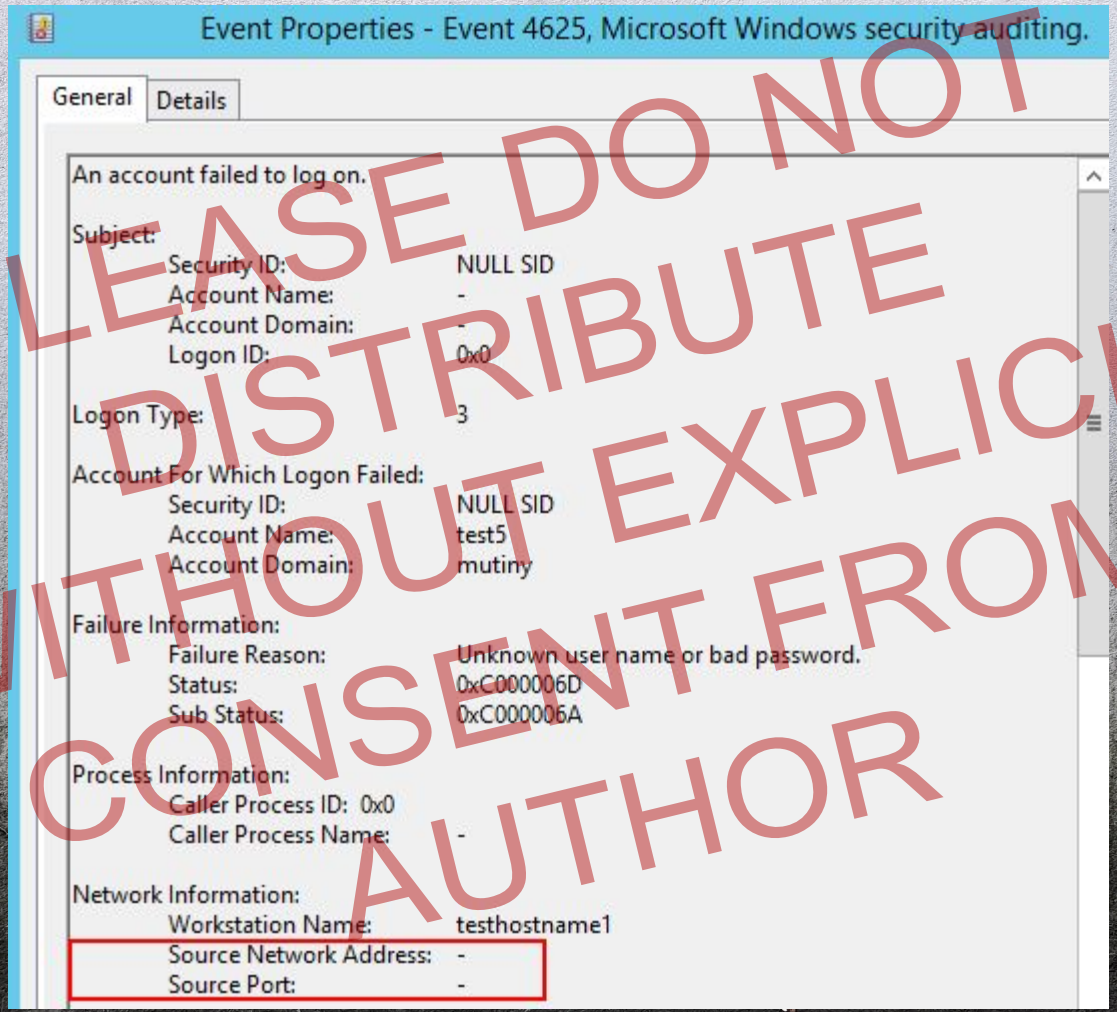
Roei Sherman

- Red Team @ ABInBev - We do Cybe(e)r.....
- Co-organizer @ BSides TLV
- OSCP, GPEN, GXPN, CCSK – SANS Advisory Board

https://betheadversary.com
x_Freed0m
https://github.com/xFreed0m

Missing logs

- Password spraying was performed
- We know how
- WE DON'T KNOW WHO DID IT

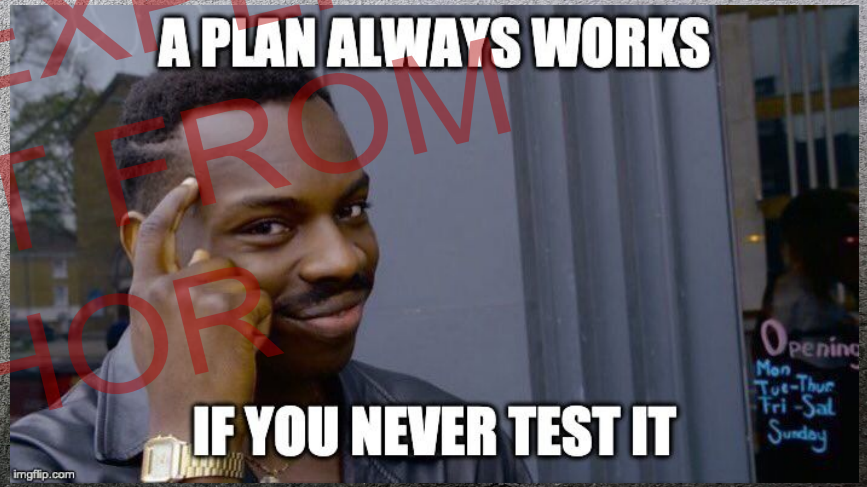


Most of us…

- Invest a lot of money in products
  - Prevention, detection
- Never really know what is working properly
- Always face new attacks

Do we really need the attackers?

- Adversaries aren't planning to stop
- You won't understand the enemy without being the enemy
- Plans always work - until reality kicks in



Why consulting isn't enough

- Engagements are time framed
- External consultants aren't familiar with our roadblocks
- Consultants change often

Can defenders assess themselves?

- They know what they are after
- They know their systems
- They are THE owners to implement improvements

In-sourcing the detection coverage

- Depend on ourselves
- Test using real attacks tools
- Fast, tailormade, automated

Meet Caldera

- By MITRE
- Widely adopted - The new standard* for defense mapping
- Constantly updated matrix of TTPs

*Not official standard

Intended use cases

- Mapping organization detection
- Automate attacks*
- And everything else that you would decide

*Automation for the actions, doesn't substitute pentest.

No one-size in threats - need to DIY

- Based on our feeds - create our own adversaries
- Want to check a product we are using
- Reply attacks against our detection

Hands-on demo (standard adversary & custom adversary)

Welcome to Disruption (dedicated branch) -

xFreed0m/Disruption: Terraform script to deploy AD-based environment on Azure