🔑 ♪

```
0
0
0
0
0
0
1
1
```

<QUEEN CITY CONFERENCE>

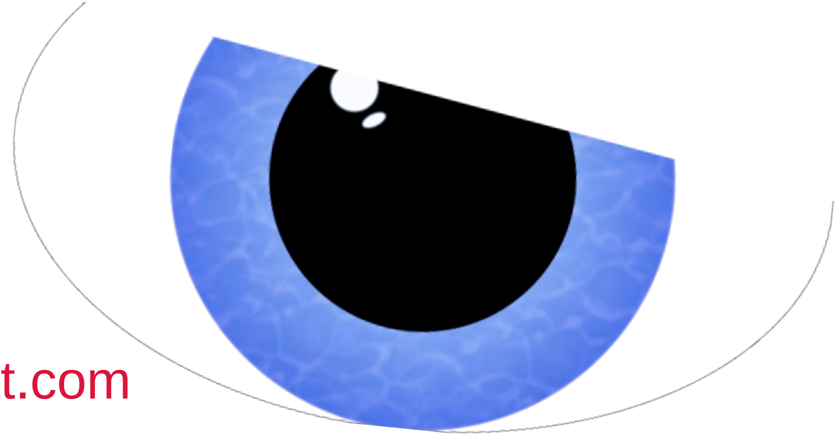
0x3

city of CINCINNATI

11/08/2025

★★★★★

PDF http://slides.dfirmatt.com



Matt Scheurer

Eye of the Responder

About Me

I work for a big well-known organization...

As Vice President (VP) of Computer Security and Incident Response (IR). However, I have many years of hands-on technical experience, including Digital Forensics & Incident Response (DFIR).

I am also a Podcast Host for

ThreatReel

https://threatreel.com

Connect / Contact / Follow Matt:

https://www.linkedin.com/in/mattscheurer

https://x.com/c3rkah

Where I volunteer...

I am an Official

HACKING
IS NOT A CRIME

Advocate
https://www.hackingisnotacrime.org

WC WARREN COUNTY CAREER CENTER

Advisory Board: Information Technology and Cybersecurity
https://www.mywccc.org/

WOMSA
Empowering Women in Cybersecurity

Women’s Security Alliance (WomSA) Technical Mentor
https://www.womsa.org

Disclaimer!

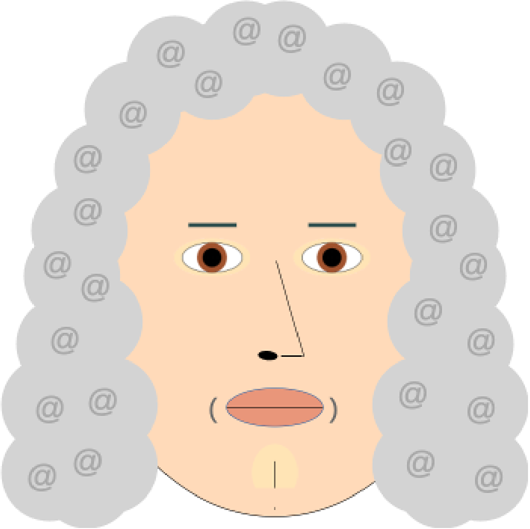
Yes, I have a day job. However…

Opinions expressed are based solely on my own independent security research and do not express or reflect the views or opinions of my employer.

Keynote Perspectives

Keynote Inspiration

- 3rd law of motion
  - For every action, there is an equal and opposite reaction



Sir Isaac Newton

Keynote Theme

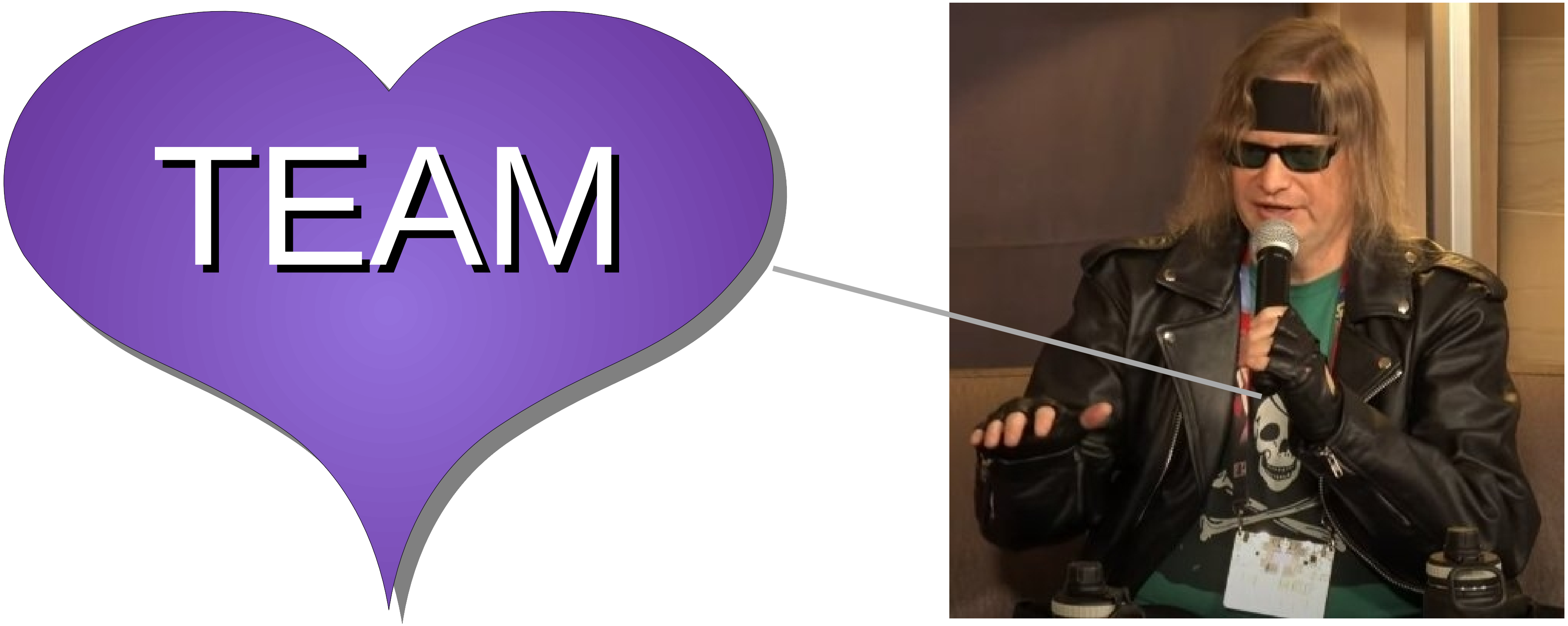
For every new thing added into our technology stack, does the attack surface increase?

My Profession

DFIR

Digital Forensic & Incident Response

I <3 Purple Teaming!



I do Incident Response

Advanced Persistent Threats (APT's)
Nation States
Threat Actor (TA) groups
Organized Crime
Financially Motivated Actors

ACTION!!!

Why is that?

Attack!

Attack!

Attack!

Attack!

Anything on the Internet

Attack!

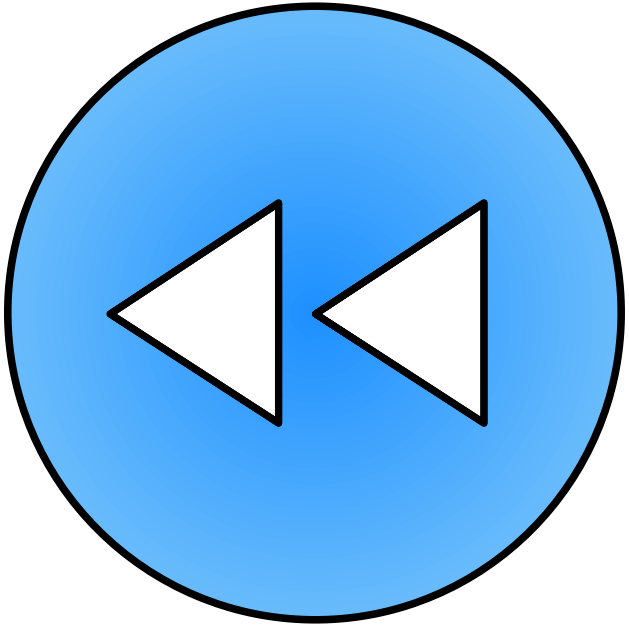
Attack!

Attack!

Attack!

Quick DFIR Rewind

Becoming an IR Superstar



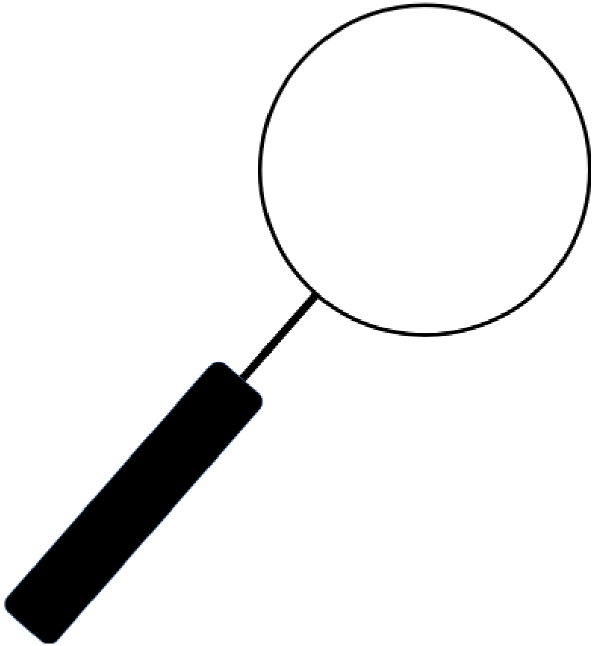
Role of Incident Response

1) Who?
2) What?
3) When?
4) Where?
5) Why?
6) How?

Investigations

Initiated through

- Automated Alerts
- Reports or requests



Data Breach (Top Techniques)

1. Ransomware	6. Defense Evasion
2. Stolen Credentials	7. Network Scanning
3. Exploit Vulnerability	8. Exploit Misconfiguration
4. Phishing	9. Data Leakage
5. Backdoor / C2	10. Disable Controls

** Source = 2025 Verizon DBIR*

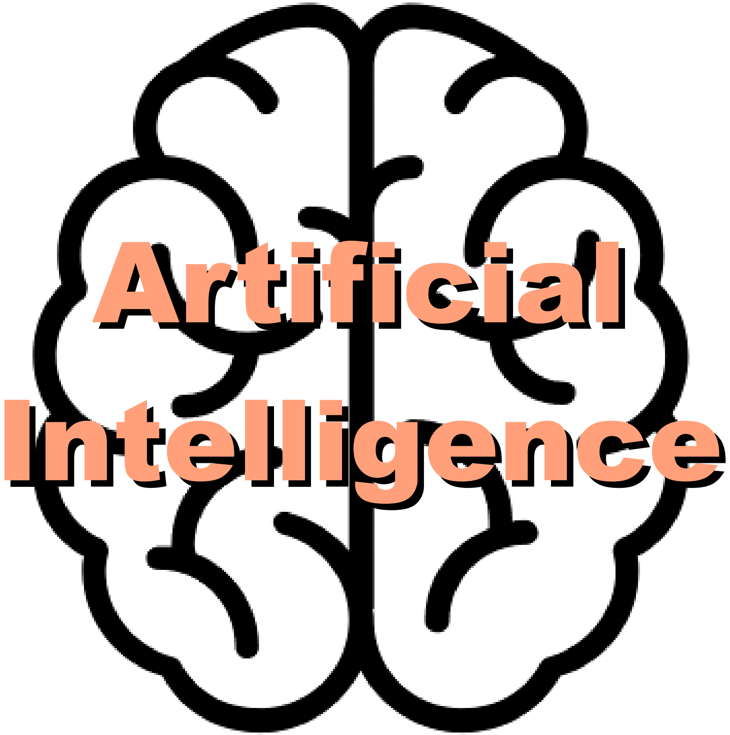
Obligatory AI Content

Once Upon a Time...

“The New Hotness”

AI

NEW!



Artificial Intelligence

In the Beginning

Now that we've rolled this out to nearly everyone in the enterprise, we should consult with a well-researched industry expert on AI.

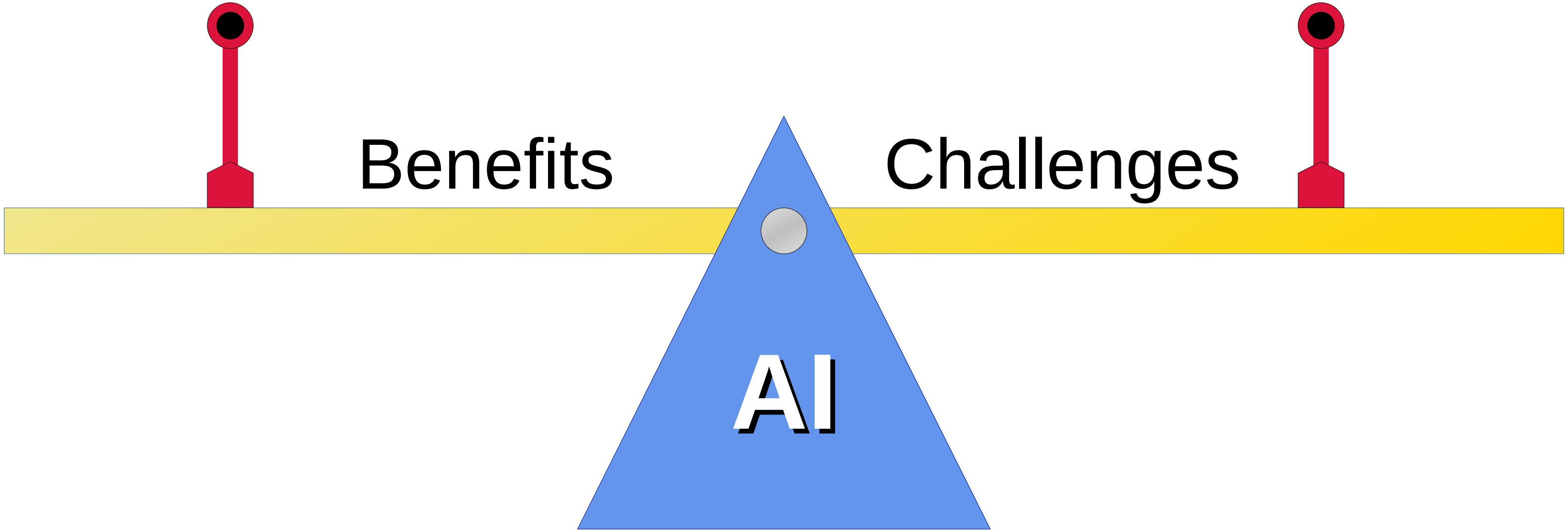
Consulting Expert

“Don’t turn on [AI platform] for everybody at once.”

Everyone on the call...

Oops,
Too Late!!!

Balancing Act



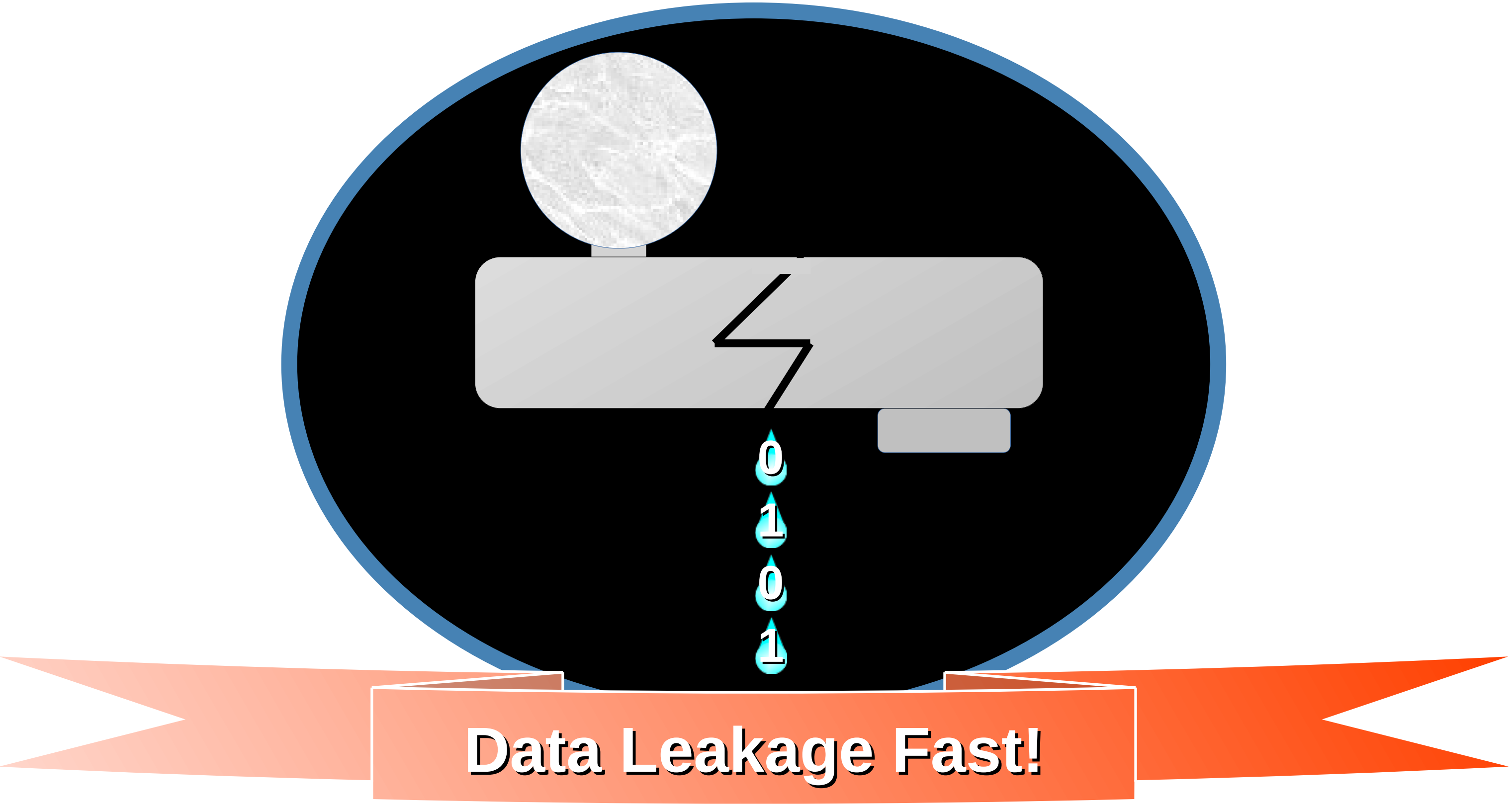
AI is fantastic, but

Unexpected Consequences...

Enterprise AI Observations

AI knows everything about everyone and everything in your environment, if you're not careful!

AI knows your data



AI also knows, “You”!

Emails

Chats

Direct Messages

Meetings

Prompt History

What’s worse

- It’ll just make stuff up
  - Including: About you!

I have it on good authority that Matt said [thing] on [date] at [time] with [person/group]…

If I told my mother

She’d want to paddle AI with a yardstick...

Don’t you dare fib to me!

Now,

What I Love about AI!

Ways I've Benefitted

Daily Tasks

Communications

Note Taking

Summarizing

Research

Finding Things

IR Work

Code Analysis

Code/Query Generation

Log Analysis

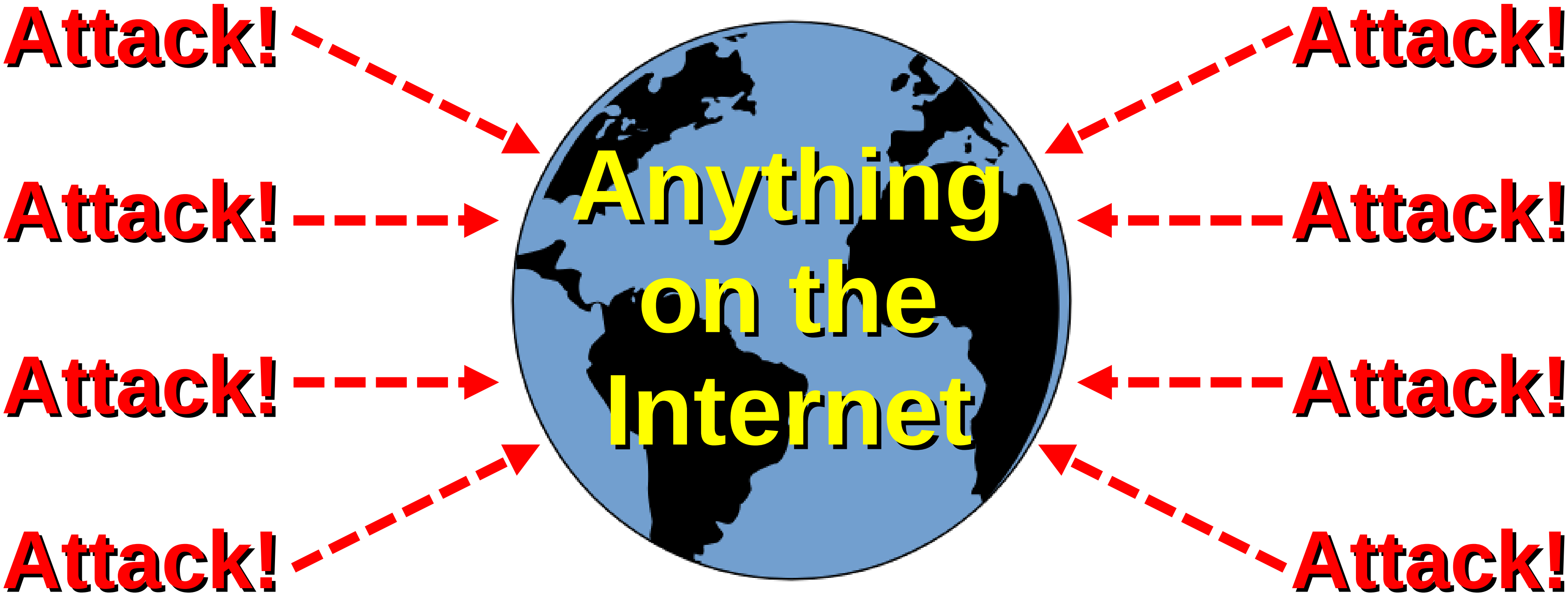
Triage Guidance

Event Correlation

So,

remember this slide from before?

About the Attack Surface



Attack!

Attack!

Attack!

Attack!

Anything on the Internet

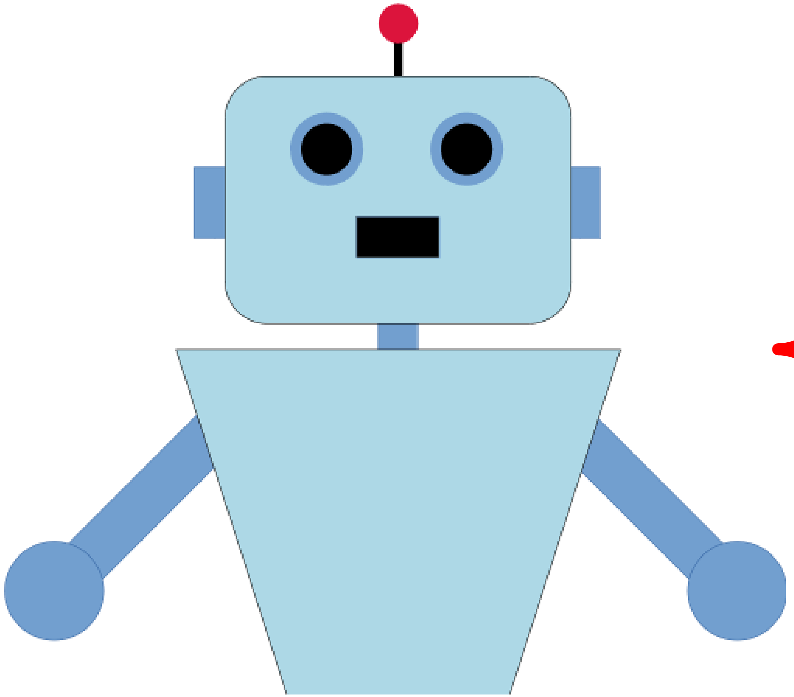
Attack!

Attack!

Attack!

Attack!

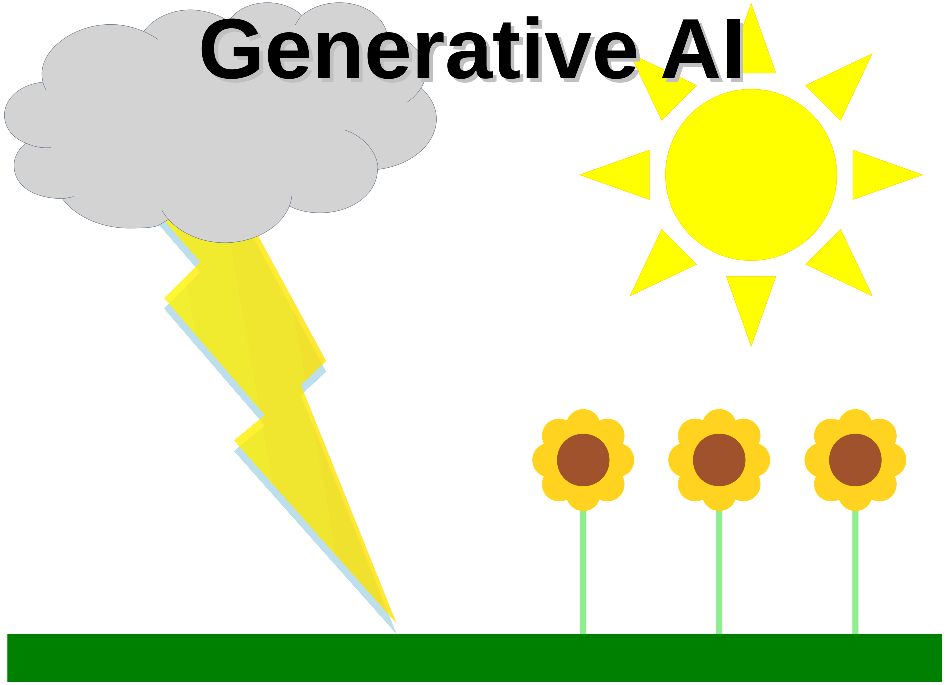
AI-Powered Chat Bot



- Prompt Injection
- Data/Model Poisoning
- Evasion
- Inversion or Extraction
- Etc.

Content Generation

- Social Engineering
  - Phishing
  - Vishing
  - Deep Fakes
  - Etc.



Generative AI

And,

how about this slide again?

Data Breach (Top Techniques)

1. Ransomware	6. Defense Evasion
2. Stolen Credentials	7. Network Scanning
3. Exploit Vulnerability	8. Exploit Misconfiguration
4. Phishing	9. Data Leakage
5. Backdoor / C2	10. Disable Controls

** Source = 2025 Verizon DBIR*

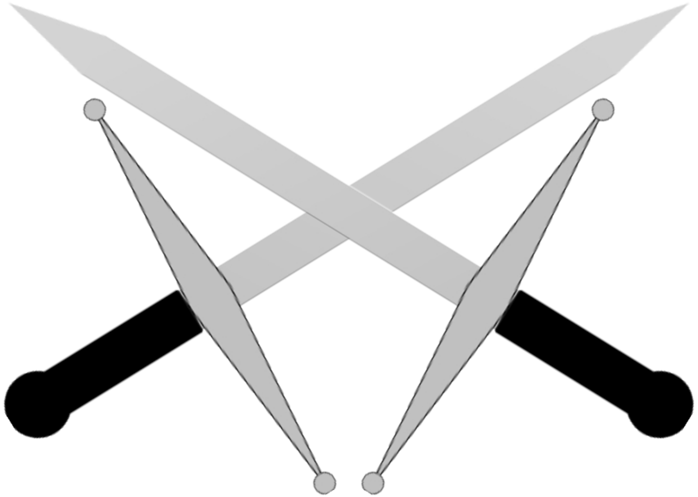
Wrapping Up

I want to close out with this...

Stay on Target

If we're not using AI to solve these same old problems. What are we doing?

Call to Arms



Lets
use the New
Technology
to fix the Old
Problems!

Because

I'm sick and tired of seeing the cyber criminals win!

Oh,

1

Last Thing

Oh,

1 Last Thing

Regardless of your Information Security goals and objectives…

Oh,

1 Last Thing

Regardless of your Information Security goals and objectives…

If you want to get really good at InfoSec...

Oh,

1 Last Thing

Regardless of your Information Security goals and objectives…

If you want to get really good at InfoSec...

Learn to “*Think like an attacker!*”

The End

🔑 🎵 00000011

<QUEEN CITY CONFERENCE>

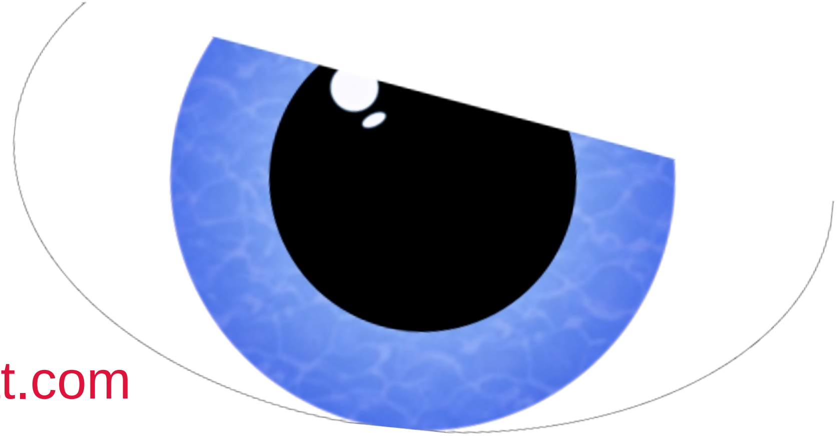
0x3

city of CINCINNATI

11/08/2025

★★★★★

PDF http://slides.dfirmatt.com



Matt Scheurer

Eye of the Responder