



NINTH ANNUAL LEADERSHIP EVENT

CYBER SECURITY

Security solutions through collaboration.[™] **SUMMIT**

October 28–30, 2019 | Minneapolis Convention Center

cybersecuritysummit.org | [#cybersummitmn](https://twitter.com/cybersummitmn)

YOUR SECURITY CONTROLS ARE FAILING AND YOU DON'T KNOW IT



A little about me...

- My name is Christine Stevenson
- From Minnesota
- Currently a Security Engineer at Verodin
- In IT for about 25 years, in Security the last 13
- Presented at various cons over the years



WHAT WILL WE BE TALKING ABOUT TODAY?

- Problems companies are facing today
 - Security Controls...are they working or failing?
- Solutions that can help
 - Security Instrumentation



The Balancing Act



Build a strong, mature security program across our people, processes, and technology

- I. Where do we focus our attention?
- II. Are the investments we make worth it?
- III. Do we offload our risk to cyber insurance?



PROBLEM TODAY



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SECURITY
INVESTMENTS

SECURITY
EFFORT

SECURITY
EFFECTIVENESS



FUNDAMENTAL CHALLENGE



WE ASSUME:

Technologies work as vendors claim



WE ASSUME:

Products are deployed and configured correctly



WE ASSUME:

People are correctly handling events and processes

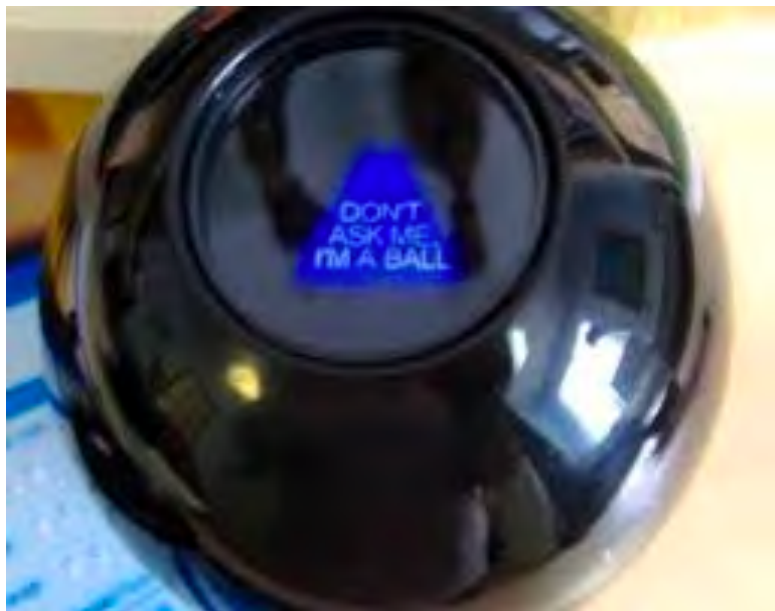


WE ASSUME:

Changes to the environment are properly understood, and communicated



So what is Cyber Security Today BASED On?

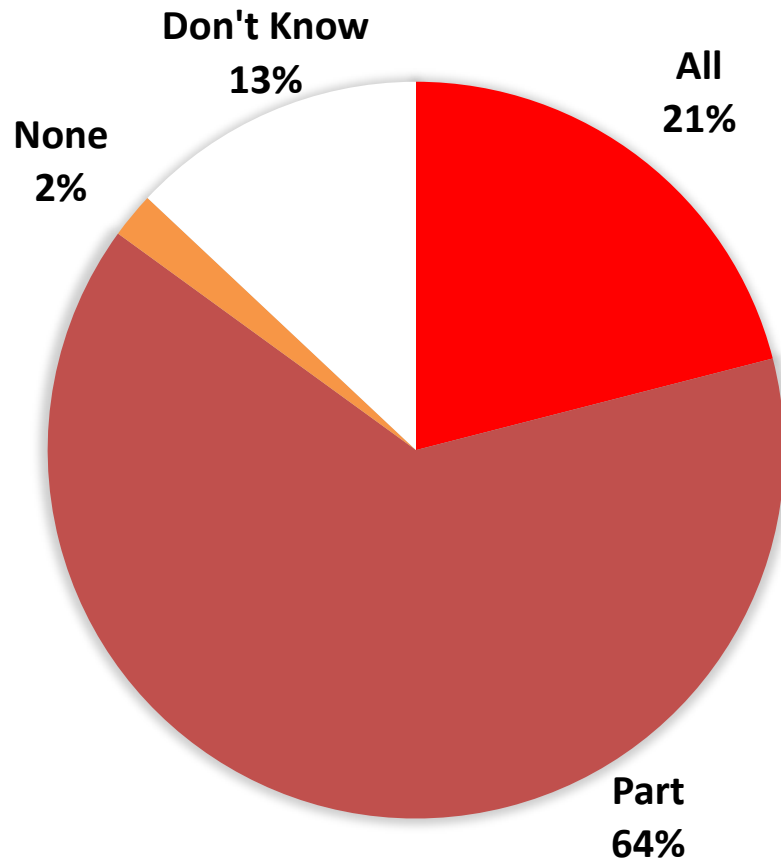


SHOW OF HANDS

**How much of your security
is managed by assumptions?**

ALL || **PART** || **NONE** || **DON'T KNOW**





“ IF YOU CAN'T
MEASURE IT,
YOU CAN'T
IMPROVE IT.”

YOU CAN'T IMPROVE



You can't manage what you don't measure.

— Peter Drucker —

AZ QUOTES



YOU CAN'T MEASURE

I'm not exactly sure how we measure performance, but your performance needs to improve!



“Without data you're just another person with an opinion.”



- W. Edwards Deming, Data Scientist

If you can not measure it, you can not improve it.

- Lord Kelvin

AZ QUOTES

This is where we started to draw taller bars to please you guys.



You can't improve what you don't measure



YOU CAN'T IMPROVE WHAT YOU DON'T MEASURE



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SO WHAT DO WE DO ABOUT IT ?



Security Instrumentation is a business platform that provides organizations with the evidence needed **to measure, manage, improve, and communicate** their cybersecurity effectiveness.



SECURITY INSTRUMENTATION

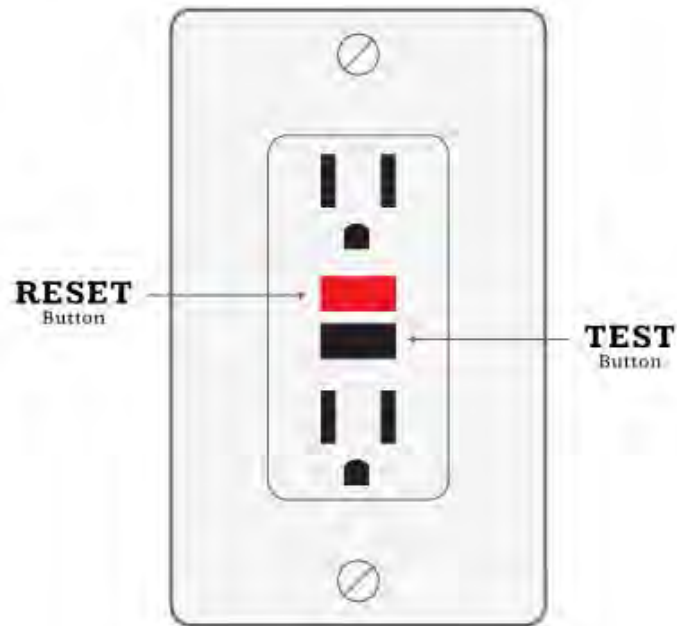


Security Controls **Effectiveness** / Configuration **Assurance**

- Are our controls working the way we expect them to?
- Are they properly configured?



WE EVEN TEST & MEASURE OUR **OUTLETS!**



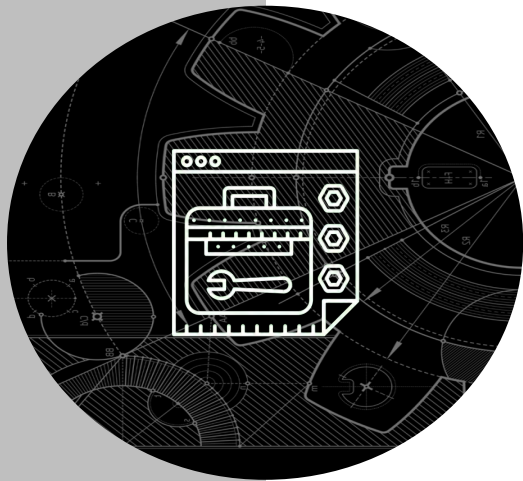
Security Instrumentation seeks to:

RESET the current way we are doing cybersecurity by

TEST(ing) the Technologies, People and Processes and getting REAL metrics.



SECURITY INSTRUMENTATION

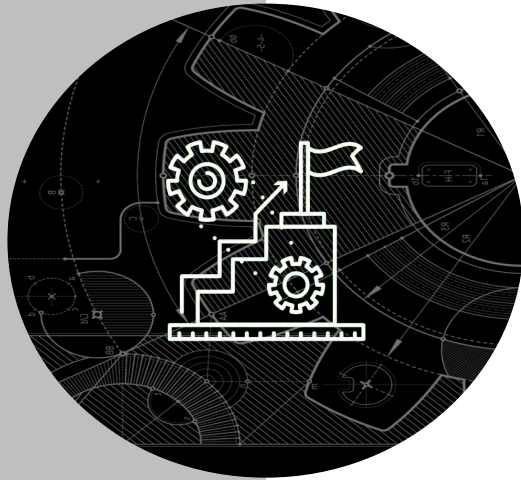


Security Tools **Optimization**

- Are we able to increase the efficiency of the dollars already spent?
- Are we using the full value of our existing tools?
- Are we maximizing ROI?



SECURITY INSTRUMENTATION

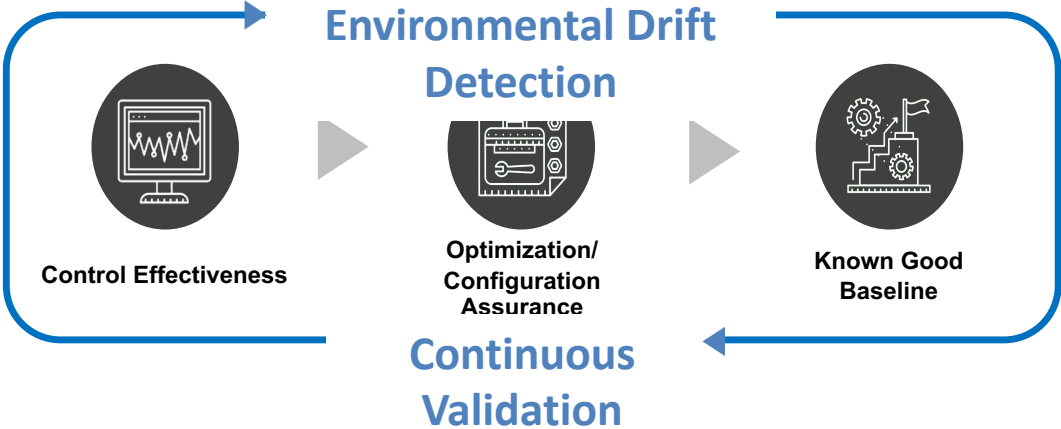


Known Good **Baseline**

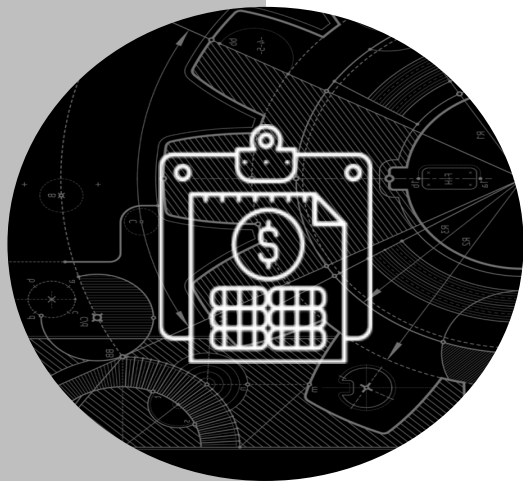
- Demonstrate improvement over time
- Notifications of environmental drift



SECURITY INSTRUMENTATION



SECURITY INSTRUMENTATION



Security Tools **Rationalization**

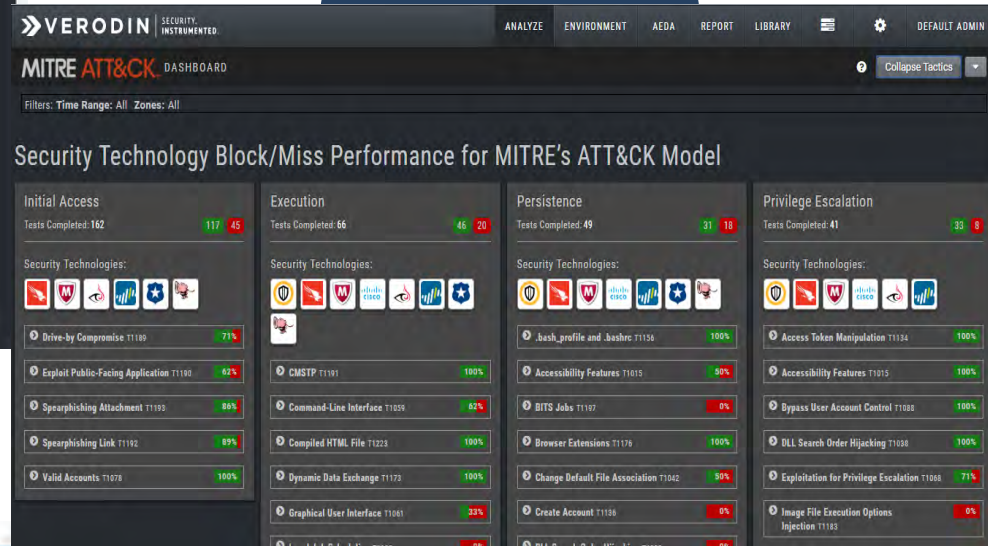
- Where are our overlaps and true gaps?
- Can tools be removed from the stack?
- Can we simplify the environment?



REPORTING & METRICS

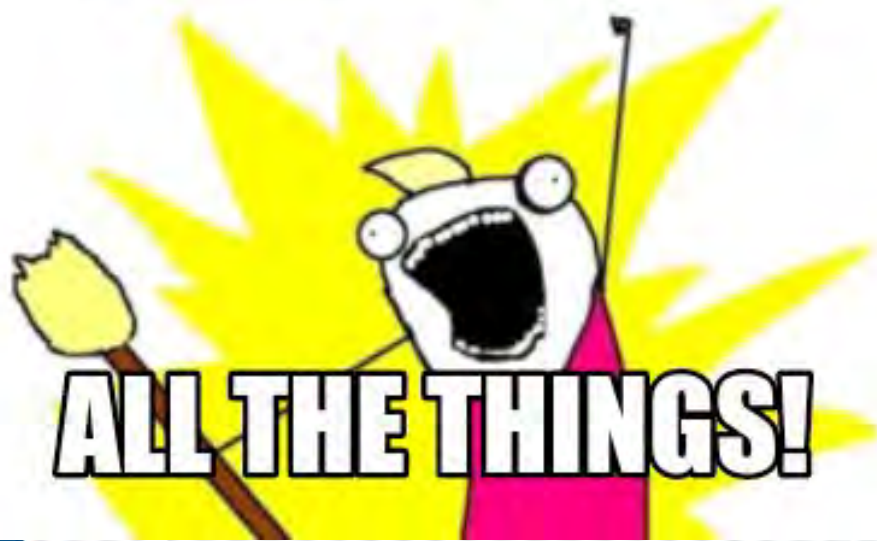


MITRE ATT&CK Reports



TEST & MEASURE EVERYWHERE!!!

LET'S MEASURE



ALL THE THINGS!

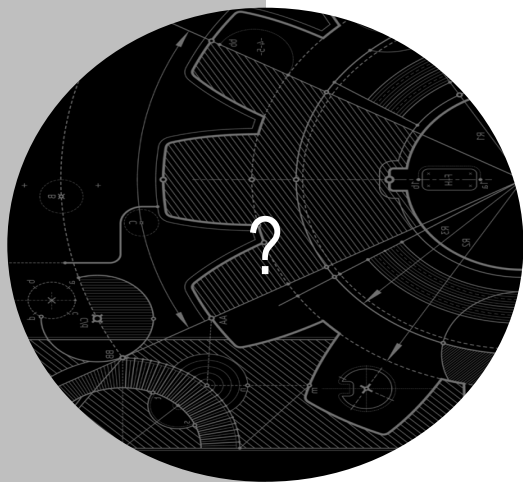


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QUESTIONS?



WHERE TO FIND ME

- christine.stevenson@verodin.com
- @cstevensonhess (I don't tweet a ton, but you can reach me here)
- Thank you to the Cyber Security Summit for having me!

