NINTH ANNUAL LEadership EVENT

CYPHER SECURITY SUMMIT

Security solutions through collaboration™

October 28–30, 2019 | Minneapolis Convention Center

cybersecuritysummit.org | #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

SECURITY INVESTMENTS + SECURITY EFFORT ≠ SECURITY EFFECTIVENESS
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."

"Without data you’re just another person with an opinion."

You can’t manage what you don’t measure.
-- Peter Drucker

"If you can’t measure it, you cannot improve it."
-- Lord Kelvin

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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 Controls Effectiveness / Configuration Assurance

• Are our controls working the way we expect them to?

• Are they properly configured?
Security Instrumentation seeks to:

**RESET** the current way we are doing cybersecurity by **TEST(ing)** the Technologies, People and Processes and getting REAL metrics.

WE EVEN TEST & MEASURE OUR OUTLETS!
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?
Known Good Baseline

- Demonstrate improvement over time
- Notifications of environmental drift
SECURITY INSTRUMENTATION

Environmental Drift Detection
Control Effectiveness
Optimization/Configuration Assurance
Continuous Validation
Known Good Baseline
Security Tools Rationalization

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

Executive Reports

MITRE ATT&CK Reports
TEST & MEASURE EVERYWHERE!!!

LET'S MEASURE

ALL THE THINGS!
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!