A Conversation with a CISO

What do you want?

Colleges and University
Auditors of Virginia
Conference 2024





Conversation with a CISO

Hello, I'm a CISO, and this is what I wish you knew about cybersecurity:



WHAT DO YOU WANT?

It's Complicated: A wave of digital transformation

- Hundreds of internet accessible hosts
- Hundreds of applications and services
- Hybrid on-prem / cloud architecture
- Scores of 3rd party providers with sensitive information
- Thousands of desktops browsing the internet
- Remote privileged-access increasingly required
- Direct DB access, privileged accounts, distributed IT
- Constant social engineering attacks (& compromised credentials)
- Growing regulatory and compliance requirements
- 100s of network segmentation
- Enable research and business while supporting the mission of growing enrollment



A committed adversary

It's Scary:

"We're not Fort Knox!"







It's Scary:

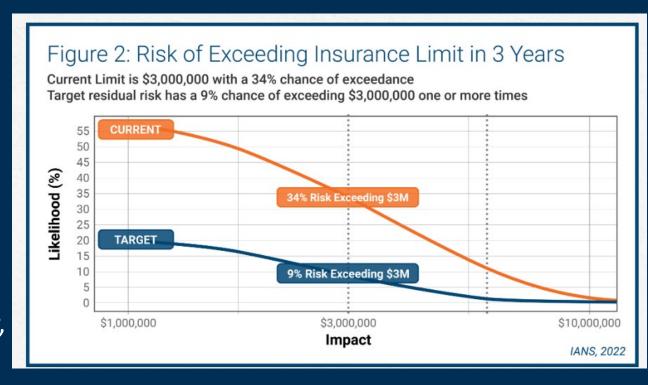
- "the worse ransomware year on record" after attacks spiked by 70%"
 - 105% increase in known ransomware attacks against k-12 and higher education.
 - Cyberattacks on Higher Ed Rose
 Dramatically Last Year, Report Shows |
 EdTech Magazine
- Employees, Students scammed out of \$\$ thousands
- Do you know anyone whose identity has been stolen?
- Researcher years of work encrypted and stolen
- Hundreds of thousands student and parent/guardian PII with limited tools for archiving or minimizing, and growing





CISO perspective It's Scary:

- The top 5 impacts of cybersecurity breach
 - Reputational harm
 - Cybersecurity programs
 - Donor loss
 - Recruitment
 - **Theft** identity, IP, Accounts (\$15 per user, \$3k for Domain Admin)
 - Financial Loss Direct loss of funds, insurance premium increases, business down time, lost revenue, refunds, direct costs of response
 - Fines GDPR, HIPAA, loss of Financial Aid distribution
 - Virginia is one of three states to institute comprehensive privacy legislation
 - Hidden costs Productivity, lost man-hours, recovery, rearchitecting, added audit scrutiny, added assurance measures





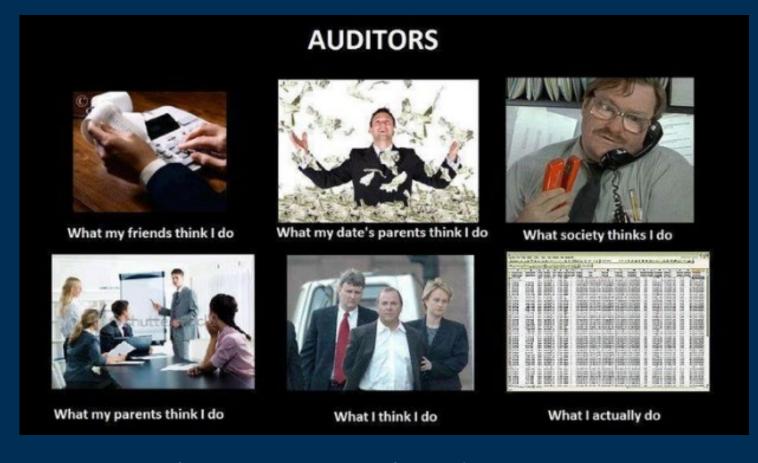
We cannot do it without you:

Maximize the benefits of a good Auditor relationship:

- Necessary to ensure our organization's controls are in place and are functioning as expected.
- Simply doing your job
- Open Communication
- Accurate and honest
- Concise and specific



How do we work together?



- Hunt for opportunities to partner with your Internal Auditors
 - Policy, standard, procedure improvements
 - Program, process improvements
 - Getting needed committees off the ground and seeking stakeholder buy in



WHAT DO WE WANT?

We want to talk:

- What do you need from an Information Security Program?
- Ensuring we understand the audit scope and objectives and ensure they align with the intended goals prior to fieldwork and control testing beginning
- Passing an audit doesn't make you secure.
- Communication is key

