mimecast:

Risk Profiling: Foundation of Transformative Security

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\$8 trillion

Cybercrime is expected to cost the world \$8 trillion. In economic terms, this is greater than the GDP of any country except the U.S. and China

\$4.35 million

Globally, the average cost of a data breach is \$4.35 million. The average cost in the U.S. is more than double that, at \$9.44 million



Rise in ransomware in 2022 — an increase as big as the past five years combined



On average, it takes 212 days to detect a data breach and another 75 days to contain it

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C-Level Recommendations

The Board's Evolving Perceptions of Cyber Risk

Align Cyber Risk to Business Risk

Answer the question "Do we have unmitigated risk?"

Layered Approach

Implement People +
Process + Technology to
maximize your controls
and minimize your attack
surface

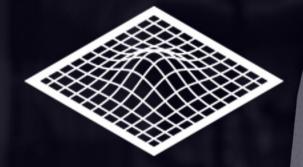
Operationalize Resiliency

Align your efforts
with threat
scenarios and the
stakeholders they
impact

Strategic Blueprint



Understand your Risk Profile



Reduce your

Attack Surface



Maximize your Controls

Education Sector is a Target







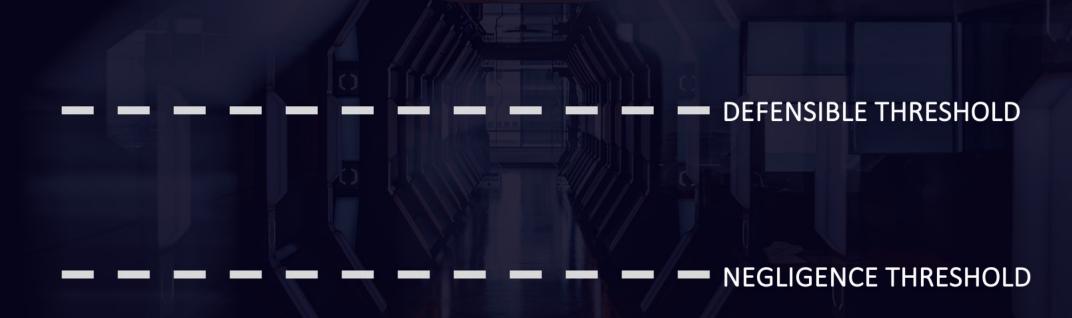
Personal Data Faculty and Students

Infrastructure
Data +
Disruption

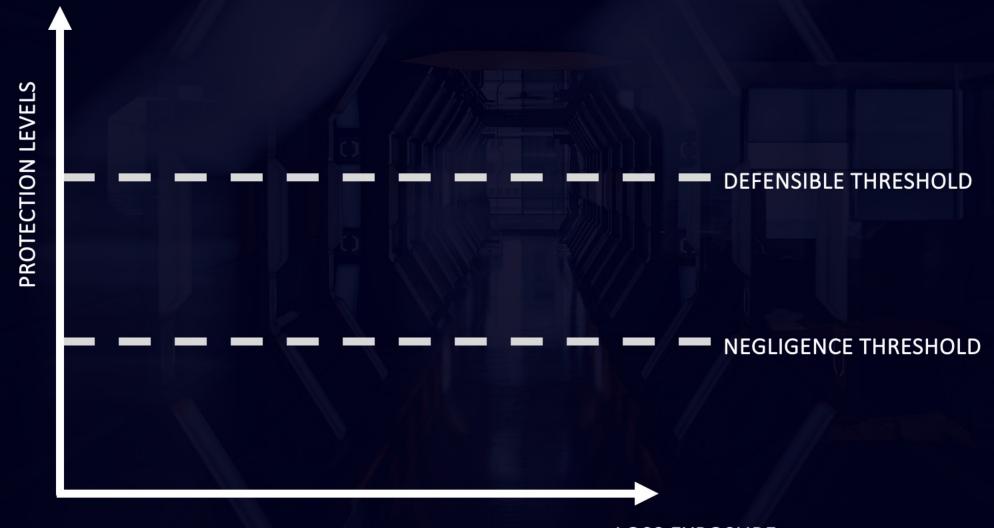
Digitized
Classrooms
Increased attack
vector

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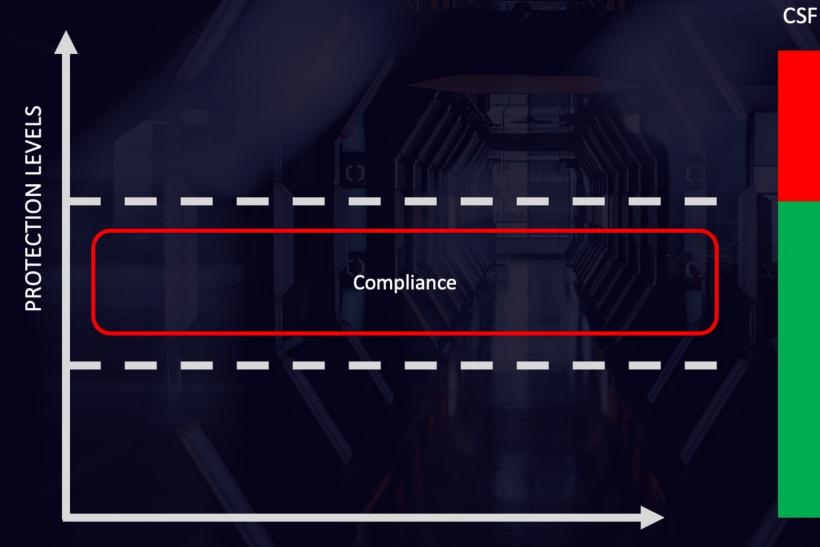
Defensible vs Negligent?



Protection Levels & Loss Exposure



Compliant Doesn't Mean Secure



Today, 73% of CSF audit standard questions relate to the existence of controls, not their performance

Gartner

LOSS EXPOSURE

Risk Tolerance

What business outcomes do you want?
How much are you willing to pay to achieve them?

Protection level agreements

15 minutes to investigate-remediate



15 minutes to investigate-remediate



15 minutes to investigate-remediate



Risk Profile Defines Your Cybersecurity Strategy

When you understand your risk surface:

- Align your strategy to mitigate your business risk
- Motivate budgets for your <u>chosen</u> risk tolerance parameters

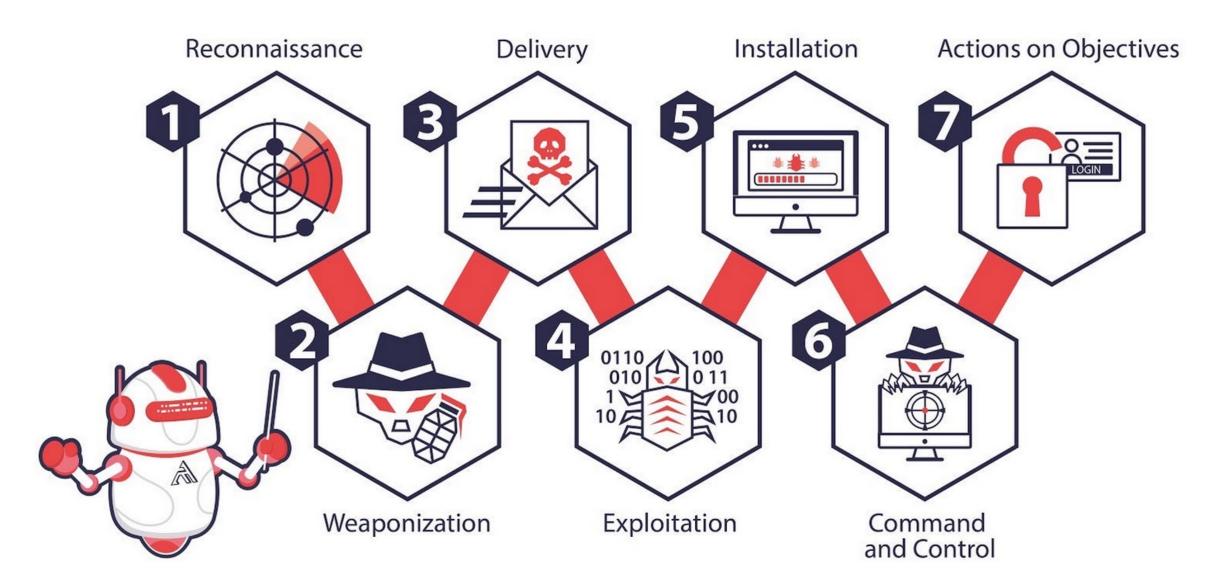
Then you are defensible, despite an attack that caused a material loss.



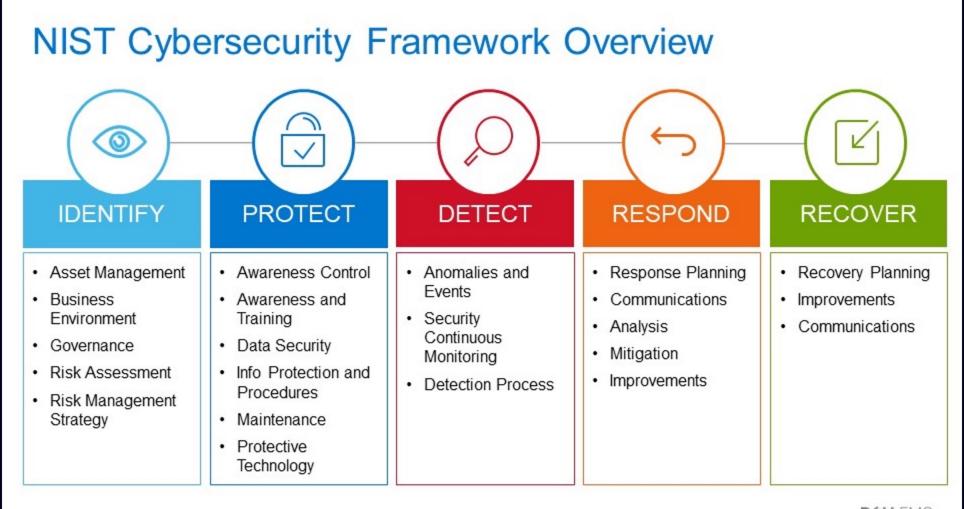
The Work Protected Methodology



Understanding the Modern Cyber Kill Chain

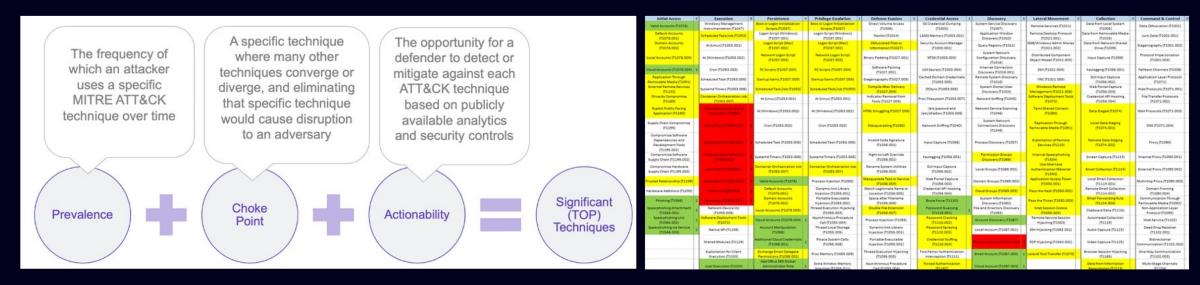


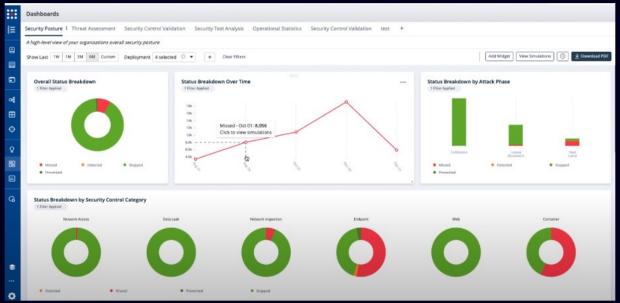
GOOD: Cyber Defense Matrix Assessment



D&LLEMC

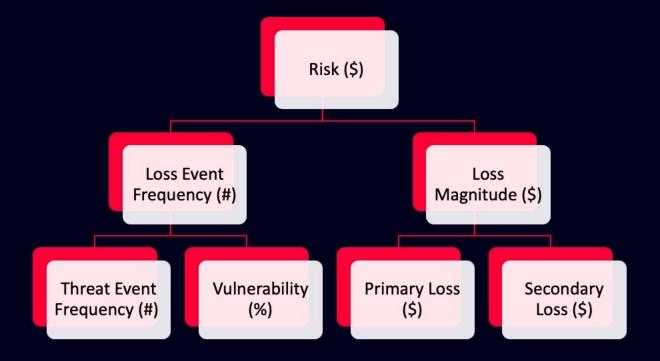
BETTER: Measure MITRE ATT&CK Coverage

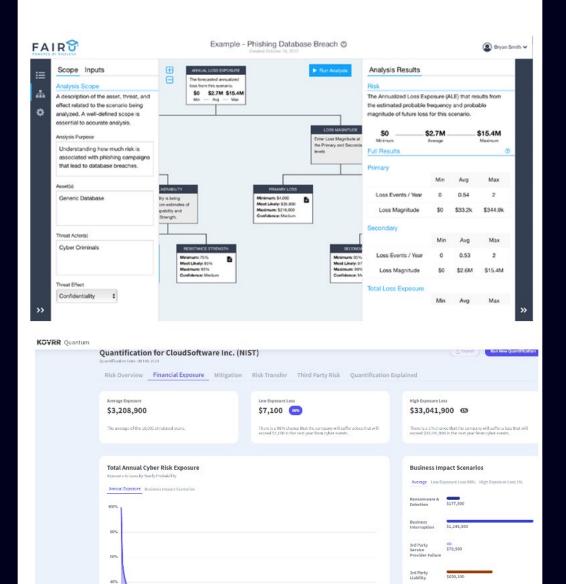


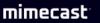




Leverage FAIR Risk Analysis Leverage Risk Quantification Services









FORCE MULTIPLIER



CYBER SKILLS SHORTAGE



MACHINE SPEED



SOC DATA FLOW



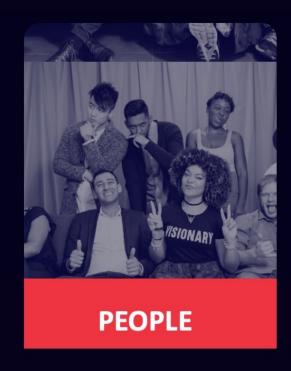
EXPANDING ATTACK SURFACE

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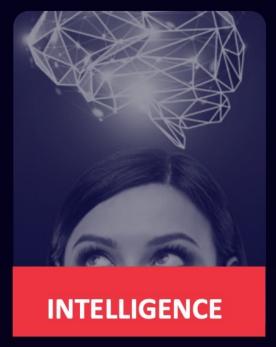
Where AI/ML is used in Cyber



Al and ML augments (but doesn't replace)







Use AI





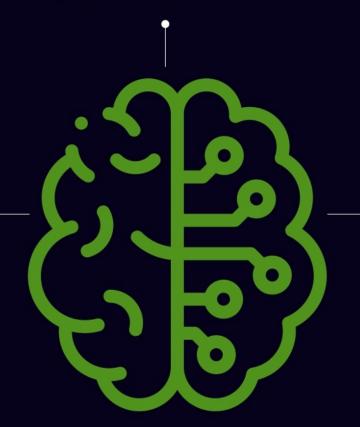
As part of defense in depth

Augment with other controls



To Address:

- Cyber Skills Shortage with automation
- Machine Speed vs human speed problems (with caution)
- SOC Data Flow with automation
- Expanding Attack Surface with automation



To take more proactive and predictive approaches to cyber intelligence and defense

Enhance your security landscape

