

# Cyber Resilience:

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Shifting from Risk to Readiness

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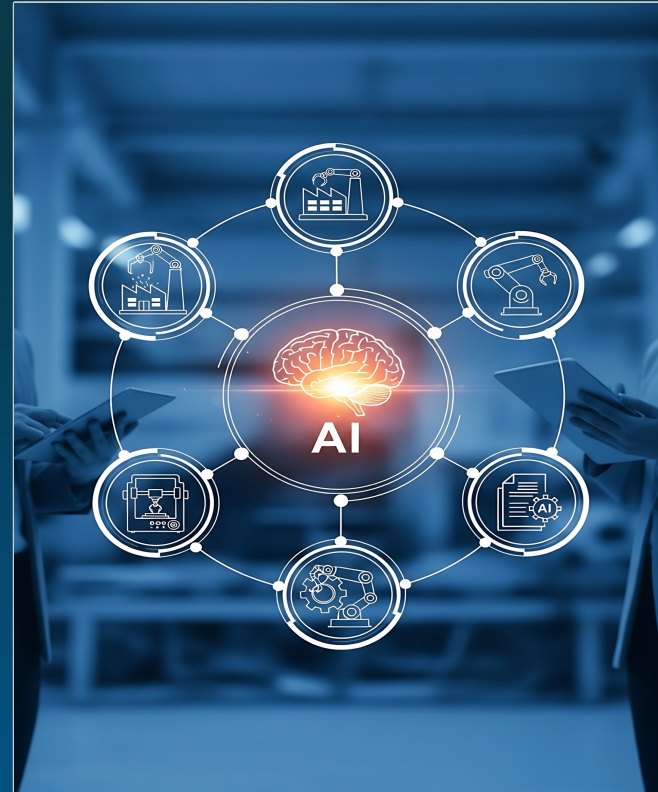
**eSENTIRE**



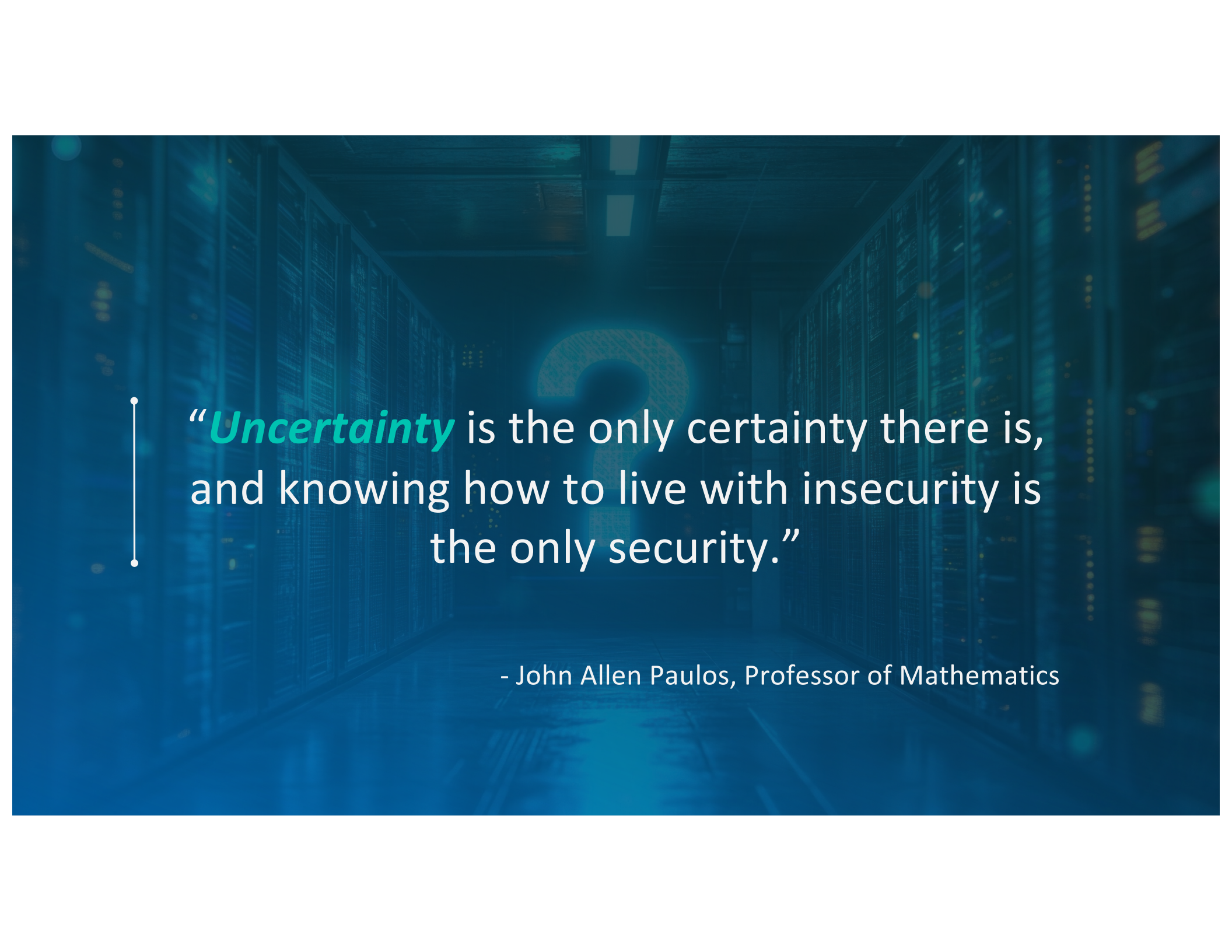
# The Struggle is Real



Attackers are relentless; defending the enterprise is becoming more challenging



AI transforming network operations management



“*Uncertainty* is the only certainty there is,  
and knowing how to live with insecurity is  
the only security.”

- John Allen Paulos, Professor of Mathematics



If uncertainty is the baseline, how do we lead  
with confidence?



# Cyber Resilience...

*What the heck is that?*





“

Cyber resilience is the ability to *anticipate, withstand, recover* from, and *adapt* to adverse conditions, stresses, attacks, or compromises on systems that use or are enabled by cyber resources.

- NIST SP 800-160 Vol. 2 Rev. 1





# The Mindset Shift – Security vs Resilience Outcomes

## SECURITY

How safe are we?



Prevent what we know  
to protect against



Reactive controls, patching,  
perimeter defense



Fragile — success defined  
as “no incidents”



## RESILIENCE



How ready are we?



Prepared for the  
unexpected



Continuous improvement,  
adaptation



Durable — success defined  
as continuity + adaptability

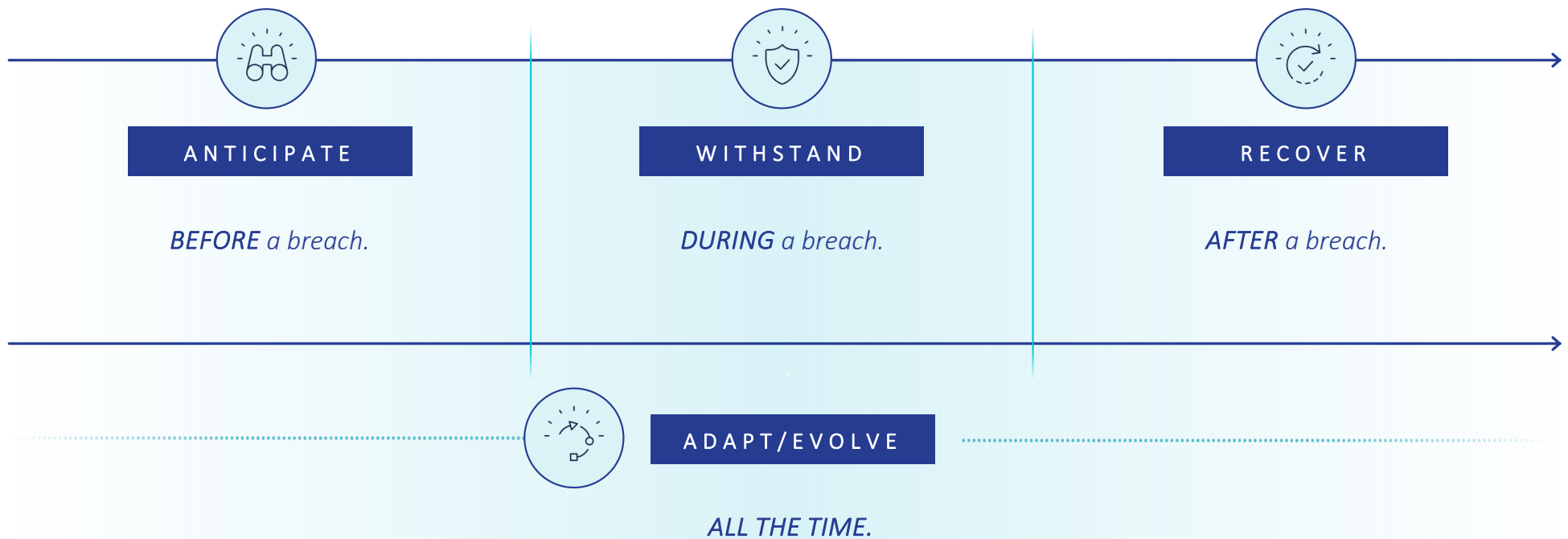
VS.



# It's No Longer a Matter of 'If'. It's a Matter of 'When'. *How Ready Are You?*

BUILD RESILIENCE. PREVENT DISRUPTION.

Anticipate, Withstand, and Recover from cyber attacks. Continuously Adapt and Evolve your program based on your learnings.



# Cyber Resilience Realized...







# Continuous Threat Exposure Management (CTEM)

# Anticipate: Continuous Threat Exposure Management

## *Continuous Threat Exposure Management (CTEM):*

A proactive cybersecurity approach that aligns security efforts with business goals by continuously identifying, prioritizing, and mitigating exposures.

### ✓ SCOPING

Understand the organization's environment, assets, and business context to define the scope of threat exposure management.

### ✓ DISCOVERY

Identify vulnerabilities, attack surfaces, and exposure points across the organization's people, processes, and technologies.

### ✓ PRIORITIZATION

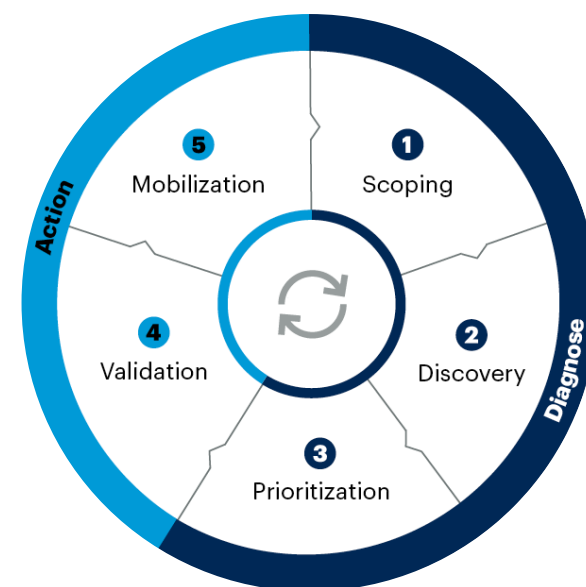
Assess and rank threats and vulnerabilities based on business impact, exploitability, and risk severity to focus remediation efforts.

### ✓ VALIDATION

Test and confirm the effectiveness of controls and remediations, ensuring vulnerabilities are resolved and risks are mitigated.

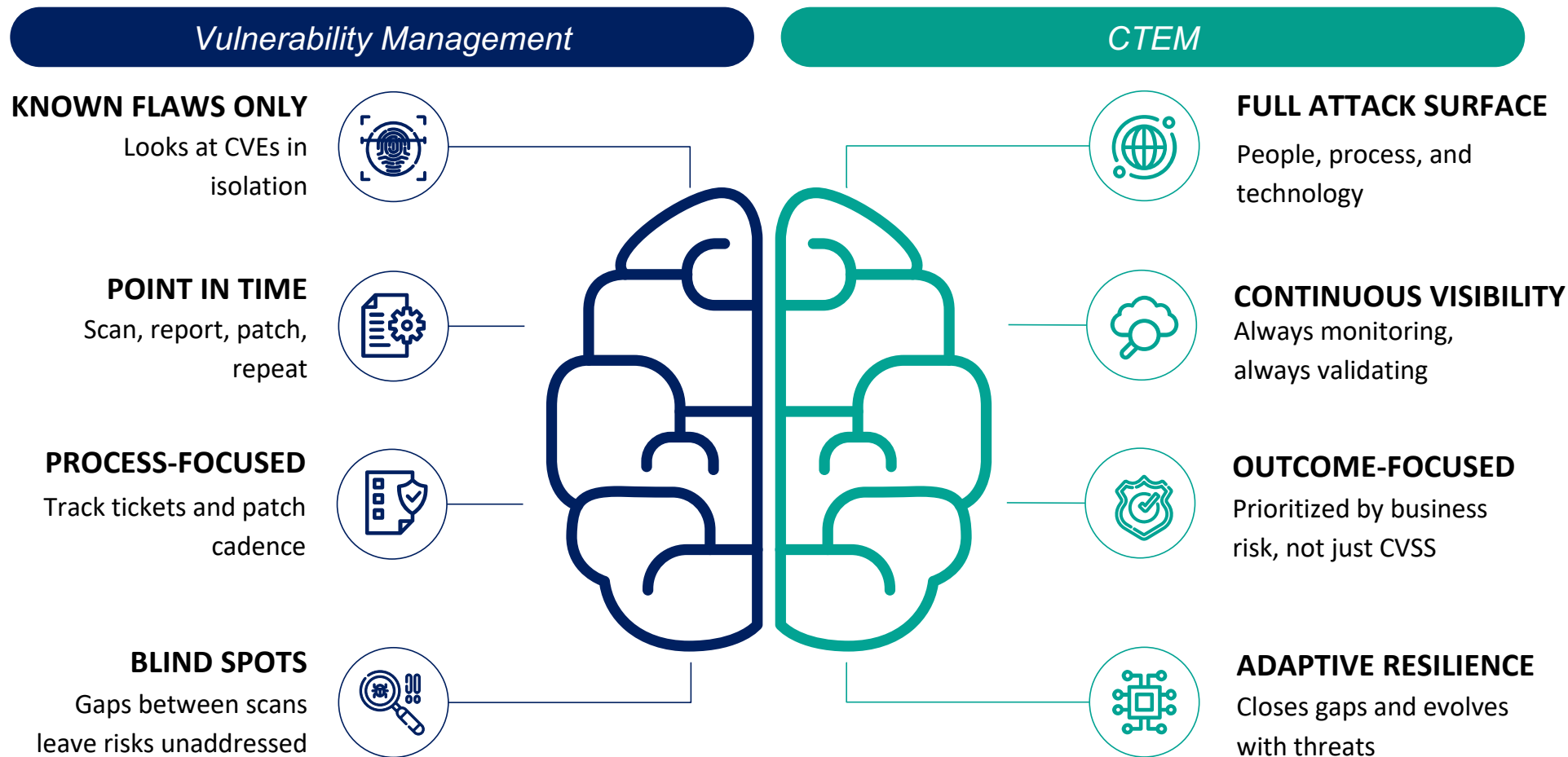
### ✓ MOBILIZATION


Establish a plan and execute actions to improve security posture, ensuring alignment with organizational priorities, cross-functional teams and operational readiness.





# Beyond Vulnerabilities: Managing Real Exposure



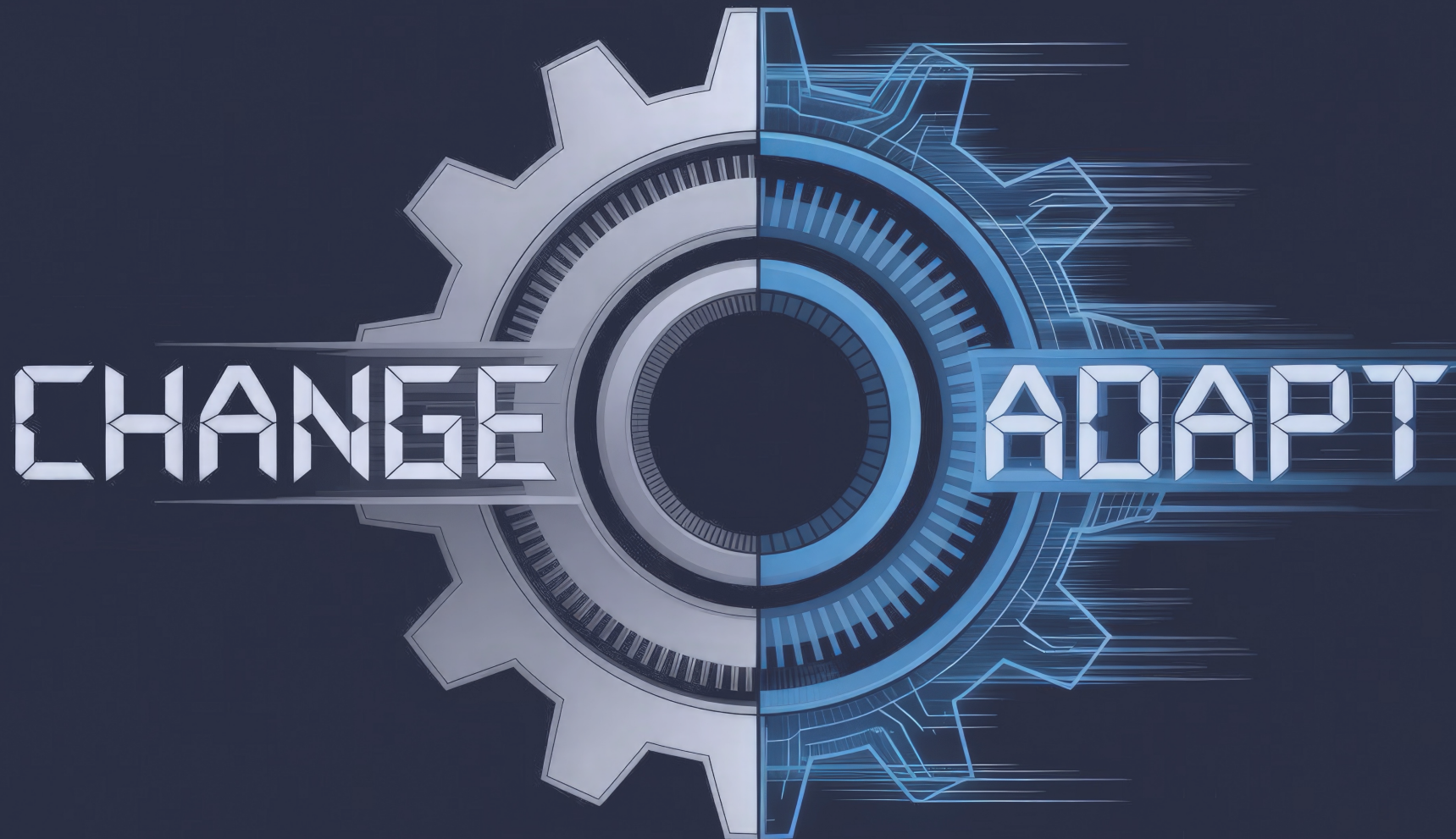


# Managed Detection & Response (MDR)



# Digital Forensics & Incident Response (DFIR)

**HACKED!**



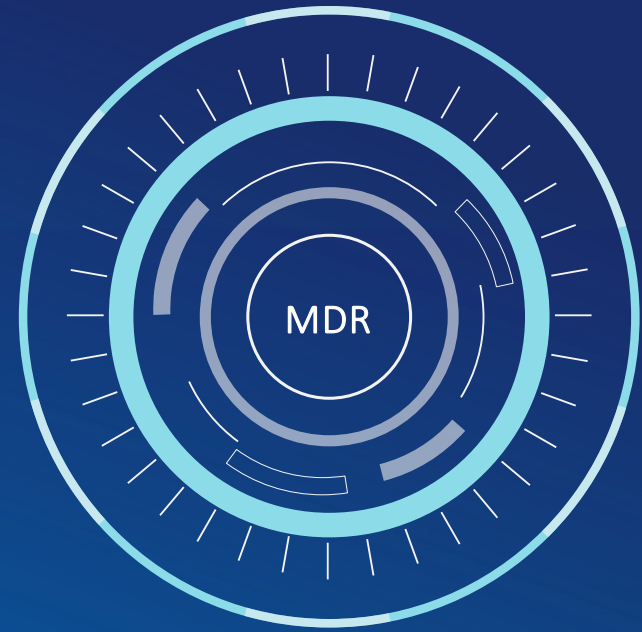


# CTEM + MDR = Adaptive Advantage

CTEM Enhancing MDR




MDR Enhancing CTEM



# Humans + AI

## AI + Human Synergy

- 
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- 01 Context**  
Understand business priorities, nuance, and impact.
  - 02 Strategy**  
Align actions to long-term goals, not just immediate fixes.
  - 03 Accountability**  
Own the decisions, the communication, and the outcomes.

**HUMANS = The Compass**



**AI = The Force Multiplier**

- 01 Scale**  
Processes massive volumes of data far beyond human capacity.
- 02 Speed**  
Detects anomalies and surfaces signals at machine pace.
- 03 Consistency**  
Executes repetitive tasks with reliability and without fatigue.

# AI as a Force Multiplier

## AI in Action

### *Anticipate*

#### CTEM

**Humans** define business priorities;  
**AI** processes data at scale to map  
exposures against them.

### *Recover*

#### DFIR

**AI** handles rapid forensic data  
analysis; **humans** investigate  
impact, coordinate response, and  
lead communication.



### *Withstand*

#### MDR

**AI** accelerates triage and  
anomaly detection; **humans**  
interpret context and decide  
how to respond.

### *Adapt*

#### CONTINUOUS IMPROVEMENT

**AI** identifies recurring patterns  
and trends; **humans** apply  
lessons to strengthen strategy  
and resilience.



# AI Business Process Transformation

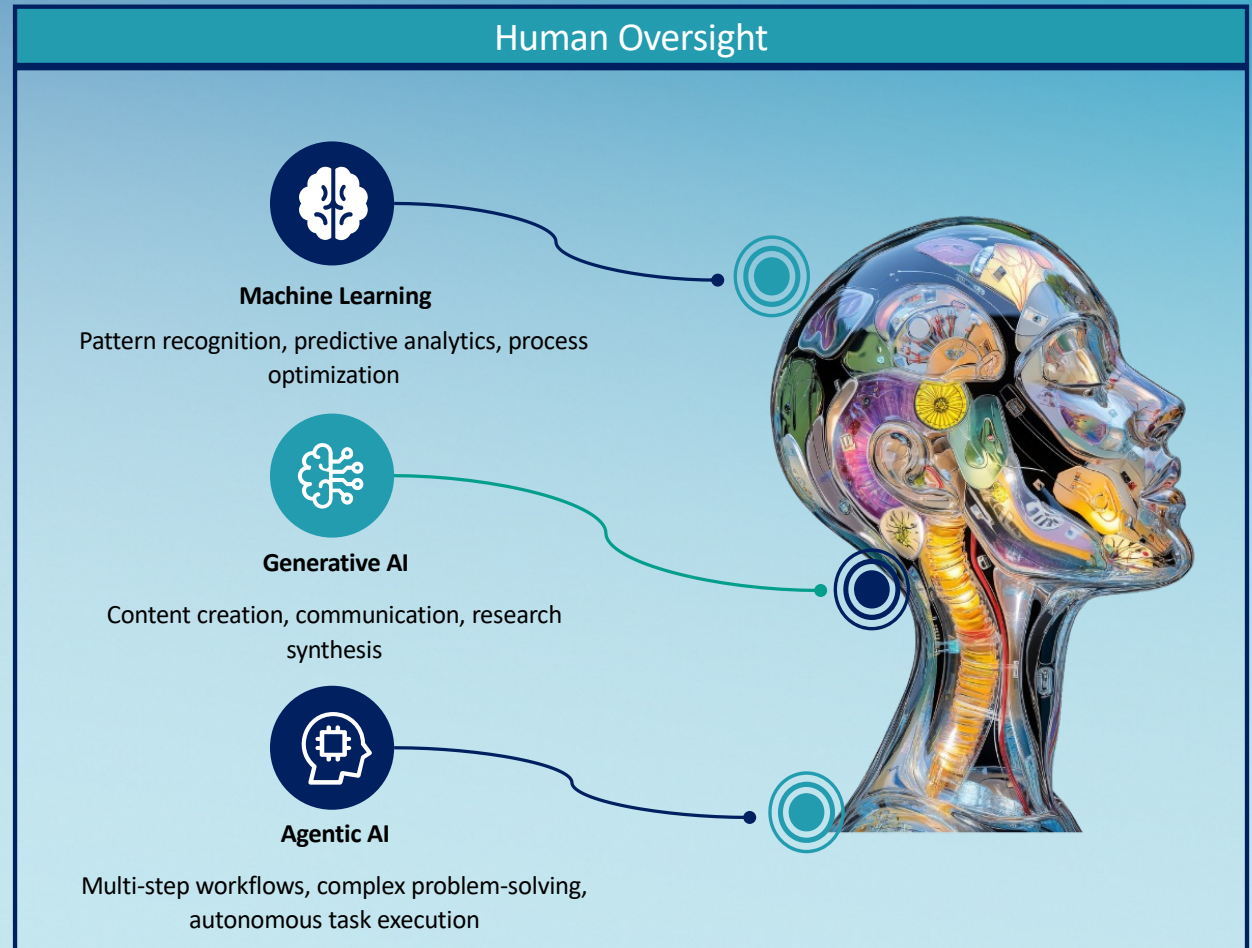
**S**cope and assess current state

**C**ategorize by AI readiness

**A**lign technology to value

**L**ayer human oversight

**E**xecute responsibly



Sooo... how do we lead with confidence?

# Thriving in the Face of Uncertainty

BUILD RESILIENCE. PREVENT DISRUPTION.

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# Resilience is a Team Sport

Better Together



+



+



+



People

Process

AI/Technology

Partnerships

## Cyber Resilience

# THANK YOU!



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