INSIDE-OUT SECURITY: BUILDING CASTLES, NOT WAREHOUSES

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About Me

Hacker/Researcher

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Let’s Start with a Story

So far in 2019…

2019 Already Marred By Slew
Incidents

Capital One data breach exposes tens of thousands of Social Security
ers, linked bank accounts

EDT | UPDATED TUE, JUL 30 2019 • 6:42 AM EDT

SHARE

Data breach sees Victorian Government employees' details stolen

Posted 31 Dec 2018, 7:04pm

Ore
sed
student, family data

OSU is one of several US universities impacted by data breaches in rec

By Charlie Osborne for Zero Day | June 17, 2019 -- 06:49 GMT (23:49 PDT) | Topic: Security

Phishing attack: Students' personal information stolen in university data breach

Saint John'
system to r
issues reso

Three U.S. Universities Disclose Data Breaches Over Two-Day Span

By Sergiu Gatlan

June 15, 2019 10:31 AM 0

Largest collectio
found

Store of 770m email addresses and passwords discovered after being put on hacking site

Pearson data breach impacts thousands of university accounts

Robert Abel

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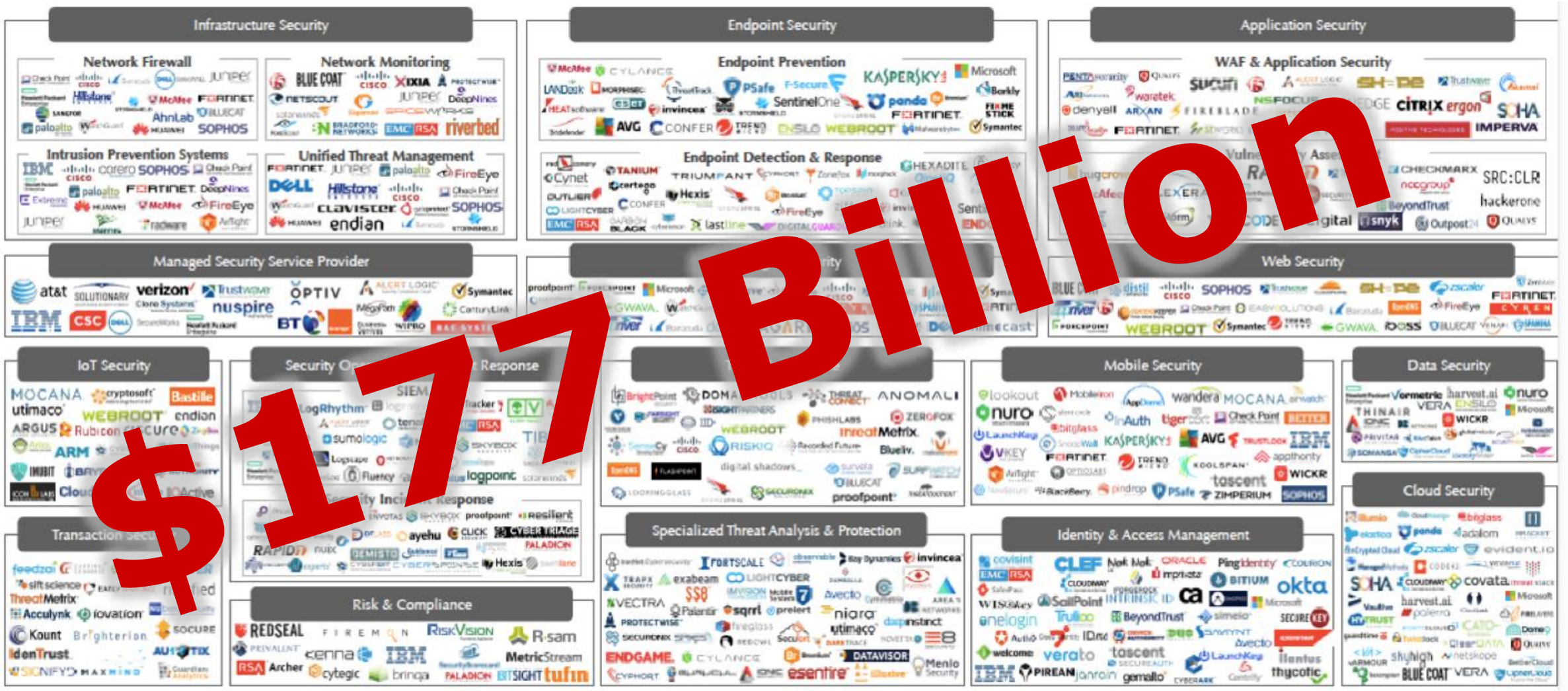
US CEOs Top 5 "Extnernal Concerns for 2019"

Source: The Conference Board (2019)

1.	**Cyber Security**
2.	New Competitors
3.	Recession Risk
4.	Threats to Global Trade Systems
5.	Declining Trust in Political and Policy Institutions

The Solution or Part of the Problem?



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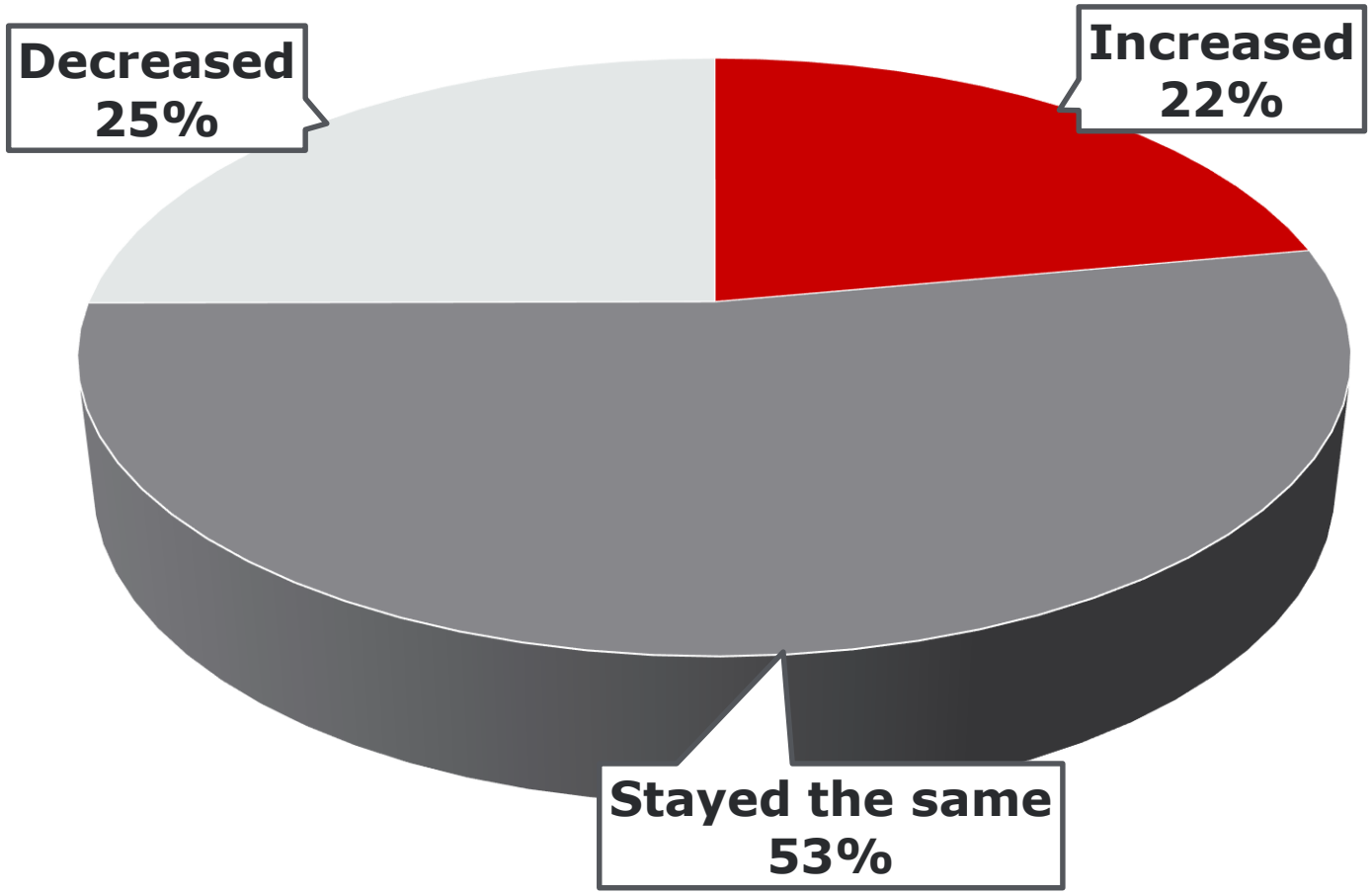
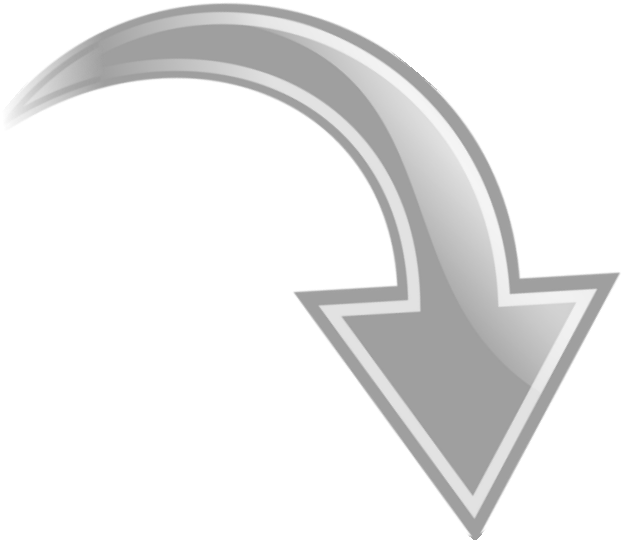
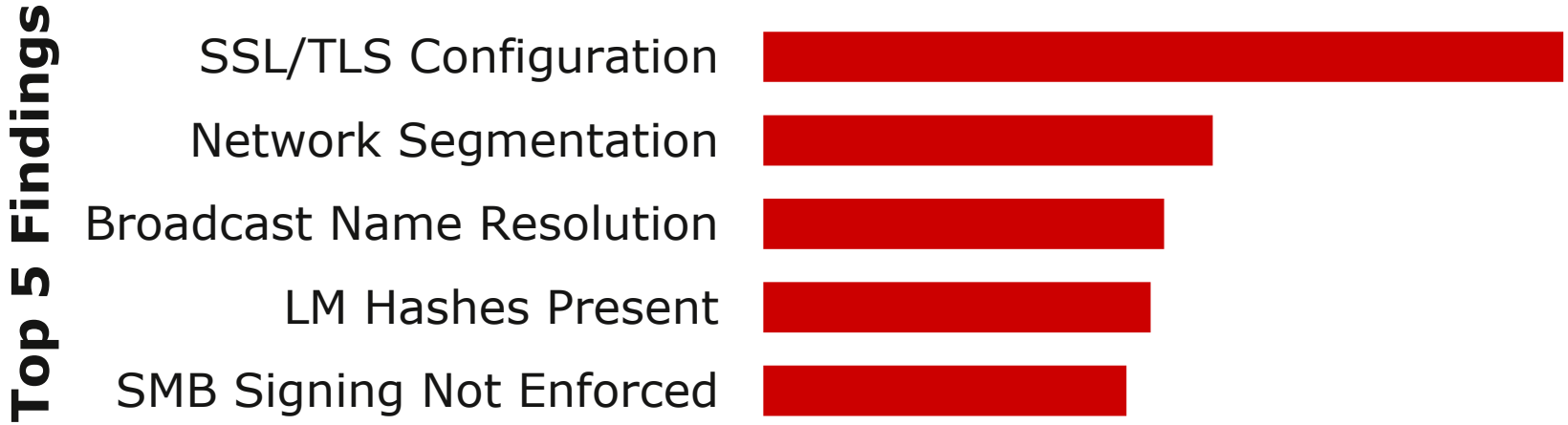
“Buget Allocated Toward Cyber Security…Last 2 Years”



So what are the results?

Top 5 Vulnerability Themes	
Configuration Management	**40%**
Account Management	27%
Patch Management	13%
Authentication Weaknesses	7%
Software Lifecycle	5%





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Today’s Leaders

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We’ve been doing it wrong form the start

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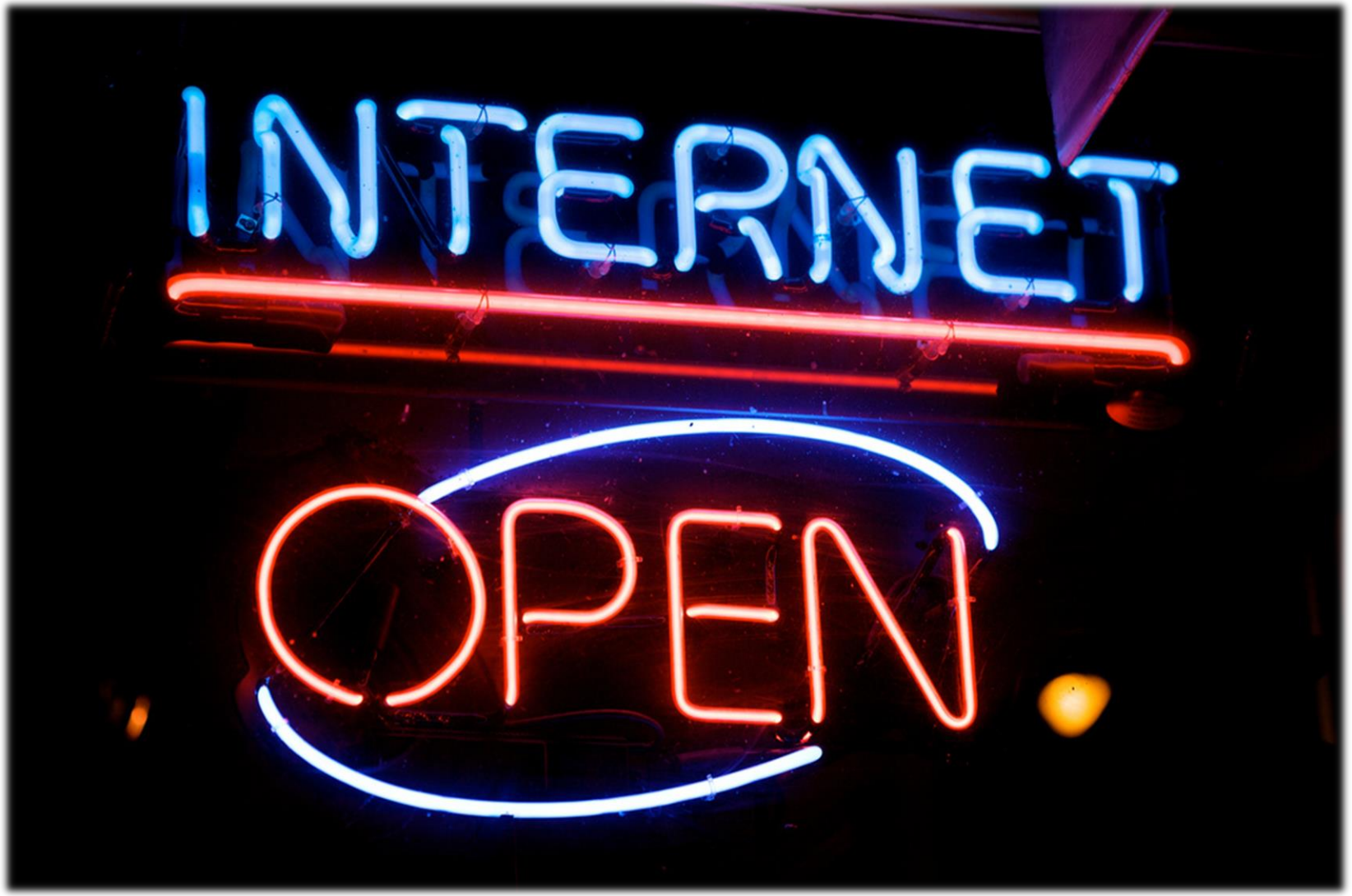
Fast forward 30 years



Warehouse Security

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Thinking From the Inside Out

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What's In Your Keep?

Key Personnel

Customer Data

Financial Assets

Critical Services

Trade Secrets

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Business Threats

THEFT

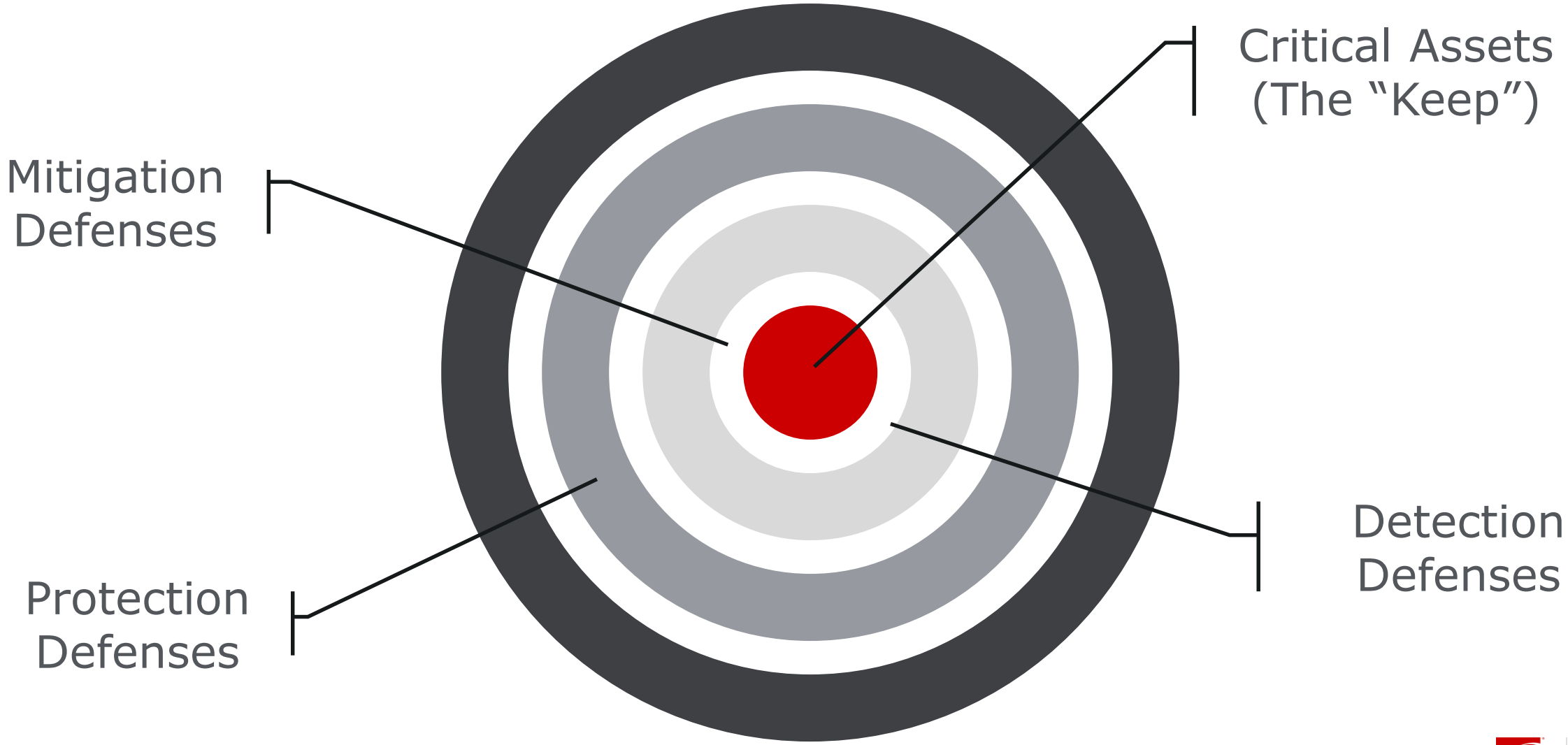
FRAUD

EXPOSED DATA

INTERRUPTED BUSINESS

Building Our Defenses

Prioritize Your Defenses



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Winning the Budget

FUD == Fear, Uncertainty, Doubt
War Stories
IT IS NOT EFFECTIVE!!!

Discourage Actions
- Threats are most effective

Encourage Actions
- Rewards are most effective

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Let’s Continue the Conversation…

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THANK YOU!