Cyber Security Best Practices for Small and Medium Sized Enterprises

Greater Niagara Chamber of Commerce

BRYAN LACHAPELLE

President, B4 Networks Inc.

www.b4networks.ca

GNCC

GREATER NIAGARA CHAMBER OF COMMERCE

B4 Networks

Special Thank You

GNCC
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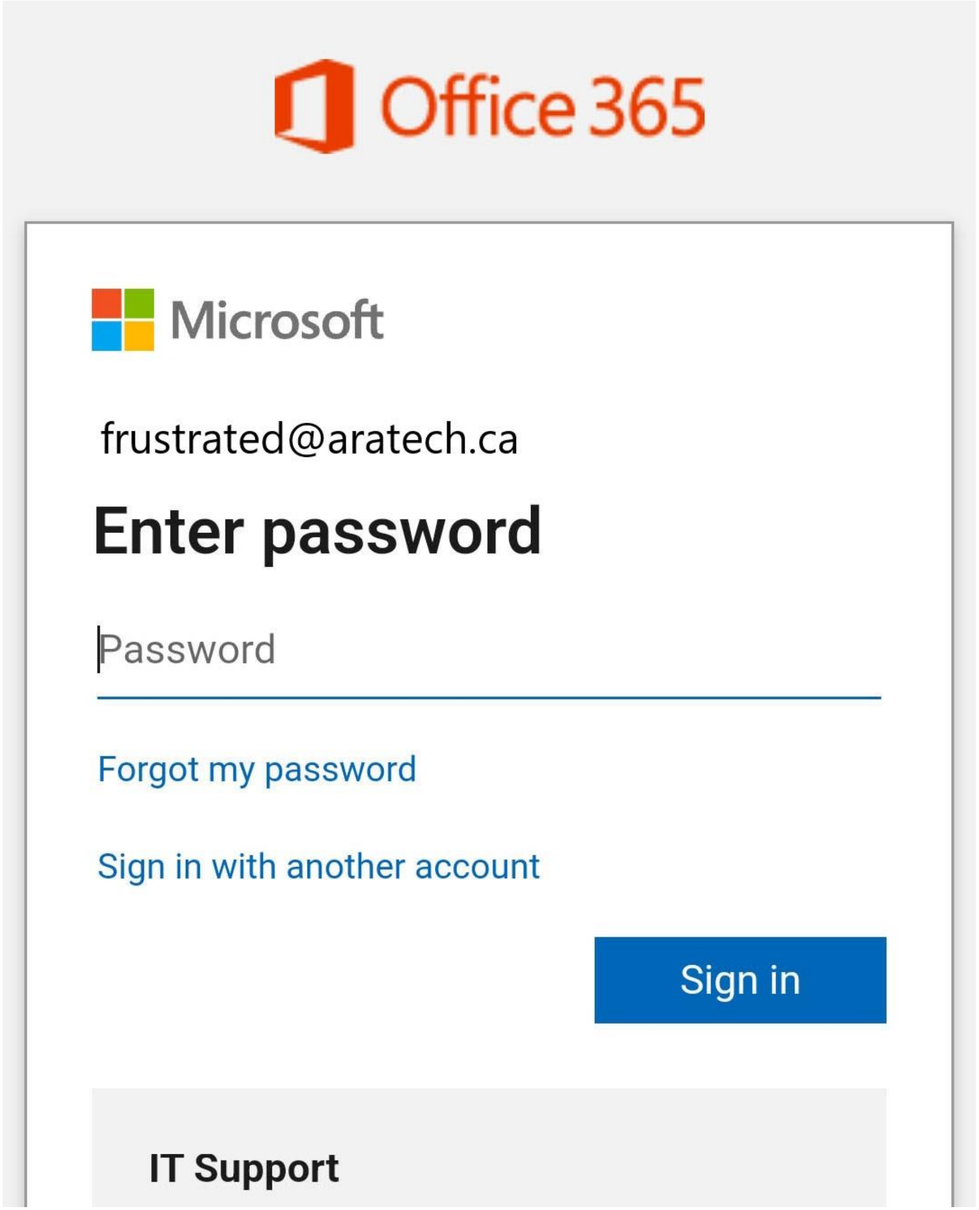
YMCA of Niagara

C.R. SMITH FINANCIAL

Just A Typical Work Day

Wait..
What's this?
Argh, Again!



A Worried Phone Call

What is going on?

This Is Bad.

Phones Ringing

Your Business Was Just Breached?

Bryan Lachapelle, CEO

B4 Networks

Today We're Going To Cover

NUMBER
01

The #1 Security Threat To Your Business

Today We're Going To Cover

NUMBER
02

7 Cyber Security Best Practices You Can Implement Right Now To Better Protect Your Operations

Free Incident Response Plan Template

NUMBER
03

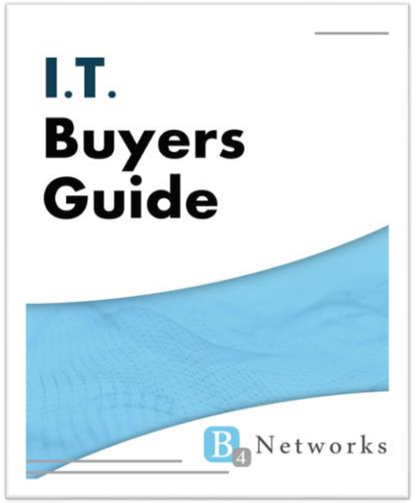
If you stay until the end, I'll also tell you how you can access a free *Incident Response Plan* template.

And for select businesses, a way to know how vulnerable your current environment is to a cyber-attack.

WHO AM I ?

- Founder and CEO of B4 Networks, one of Niagara's largest I.T. Providers.
- Veteran IT Professional who specializes in **resolving the ongoing frustration** and problems businesses have when working with computers and technology.

WHO AM I ?


I.T.
Buyers
Guide
B4 Networks

B4 Networks
MIGRATING
TO OFFICE
365
Ways Your Office 365
Migration Can Go Very
Wrong, And The One
Way To Avoid Them All

B4 Networks
CYBER
SECURITY
& YOUR
BUSINESS
What You Need To Know
To Protect Your Company
From Cyber Crimes

B4 Networks
WORKING
FROM HOME
GAME PLAN
Secrets Every Business Owner Must Know
Before Installing A 'Virtual Network' To
Allow Employees To Work From Home, On
The Road, Or From A Remote Office

B4 Networks
DISASTER
PLANNING
ESSENTIALS
Discover Important Planning
Strategies You Should Have In
Place Now To Protect Yourself From
Common Data-Erasing Disasters

B4 Networks
PROTECT
YOUR
DATA
Discover What Most I.T. Consultants
Don't Know Or Won't Tell You About
Backing Up Your Data And Recovering
It After A Disaster

WHO AM I ?

COMPLACENCY
"Success breeds complacency. Complacency breeds failure. Only the paranoid survive."
- Andrew Grove, former CEO of Intel

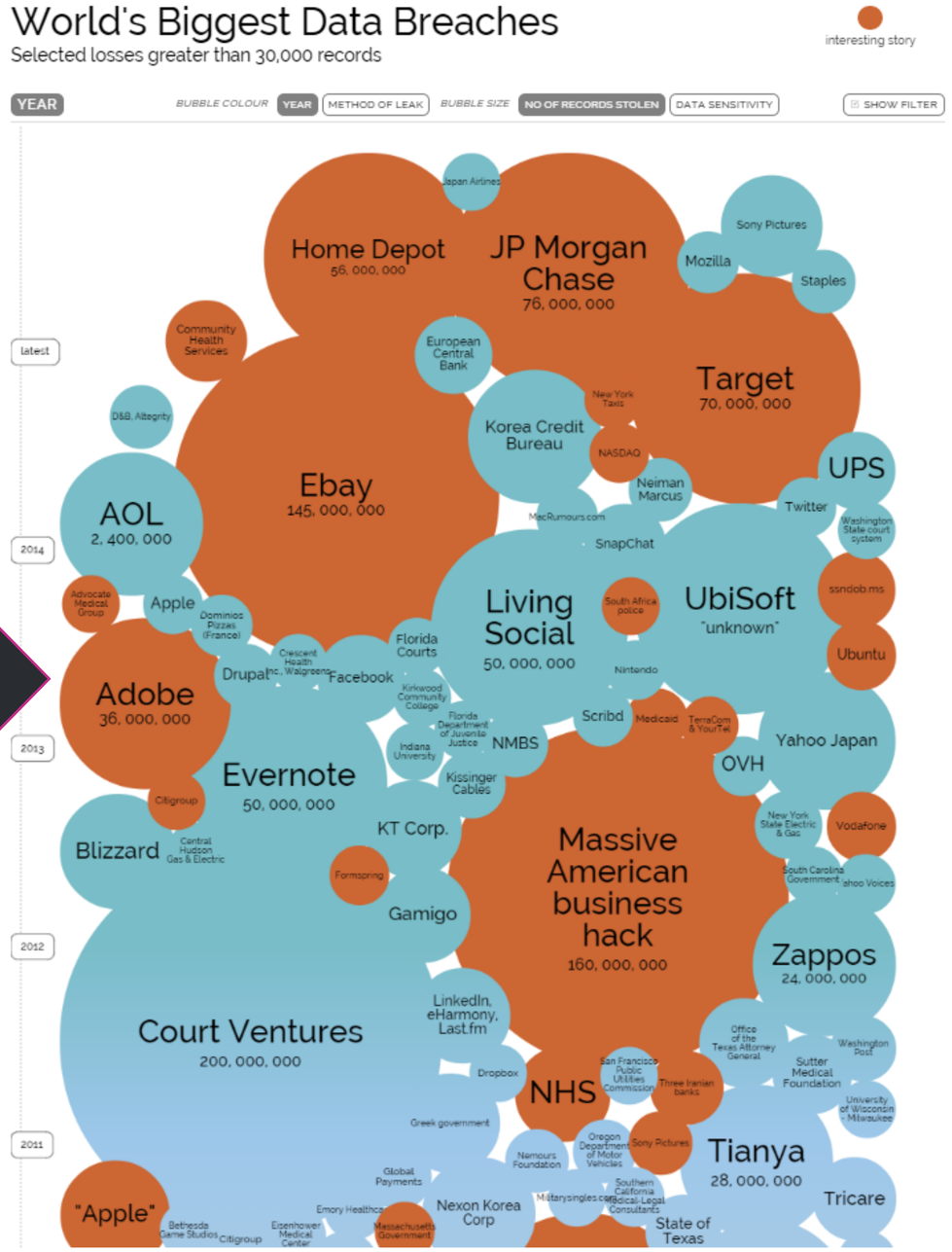
Simcoe.com

UN-HACKED
THE PODCAST
JUSTIN SHELLY
CEO MASTER COMPUTING
MARIO ZAKI
CEO MAZTECK
BRYAN LACHAPELLE
CEO B4 NETWORKS

Demystifying Cyber Security:
What every business needs to know..
THURSDAY, OCTOBER 12th
12:00PM-1:00PM

ON THE RECORD
with Bryan Lachapelle
B4 networks
"Trusted Computer Support for Businesses Throughout Niagara"

The Evolution Of Crime



The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

Software As A Service

The Evolution Of Cyber Crime

~~Software~~ As A Service

Crime

The Evolution Of Cyber Crime

Easy to Budget Subscription Options!

STANDARD	*Most Popular* MEDIUM	LARGE	PREMIUM
$99 /mo	$179 /mo	$249 /mo	$599 /mo
$79 /mo when you pay yearly	*$143 /mo when you pay yearly*	*$199 /mo when you pay yearly*	*$479 /mo when you pay yearly*
If you're new to SEO or just need the basics, this plan is a great way to get started.	Ample limits plus full access to keyword research tools. Most folks start here.	The ideal plan (and best value) for businesses and agencies that are serious about search.	Most popular for large SEO-focused agencies and in-house marketing teams.
Sign up now!	Try it free!	Sign up now!	Sign up now!
compare plans	compare plans	compare plans	compare plans

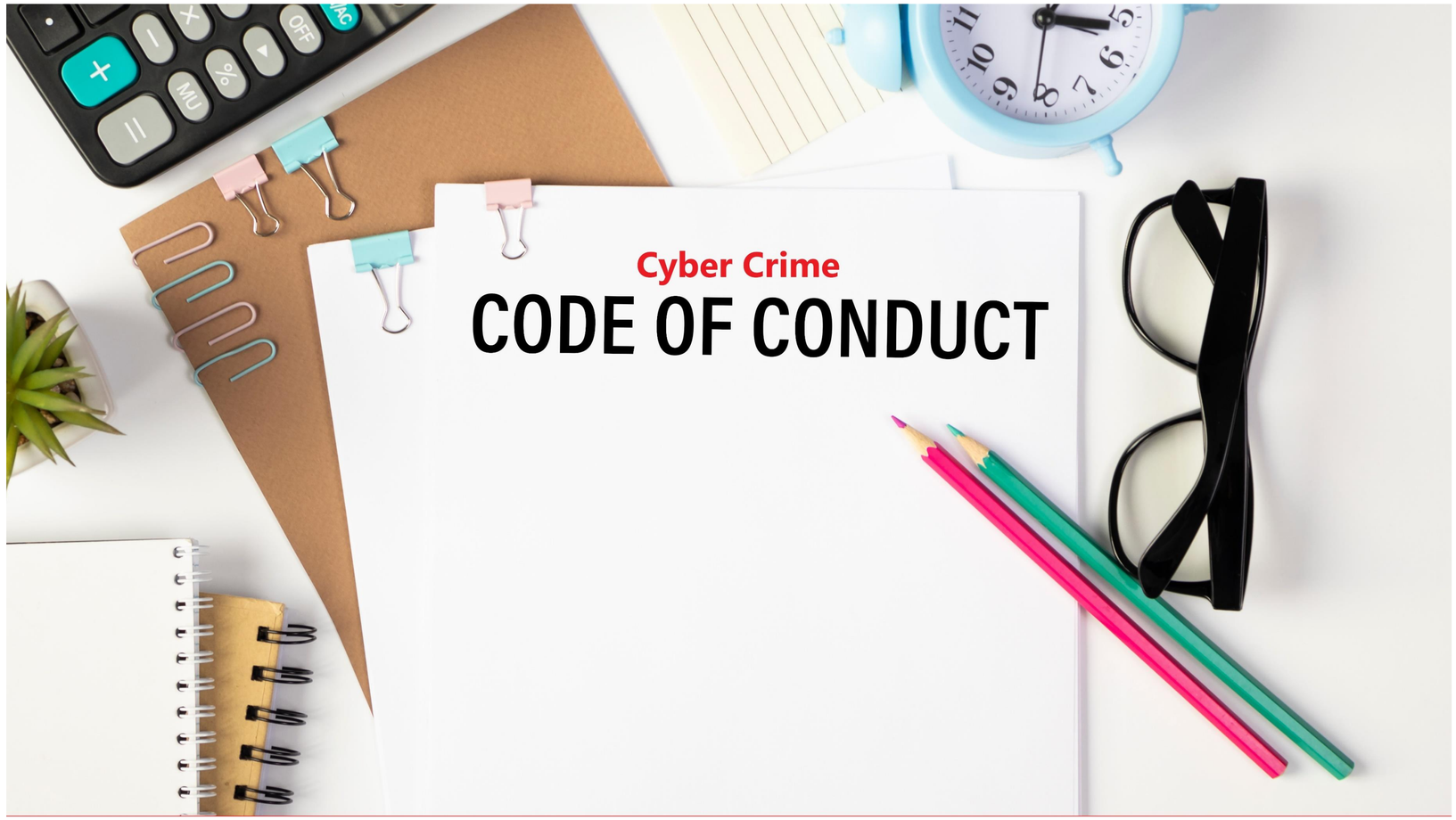
The Evolution Of Crime

DURING A GOLD RUSH, SELL SHOVELS

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime

The Evolution Of Cyber Crime



What Can We Do?

What Can We Do?

NUMBER

01

The #1 Security Threat?

What Is The Single Biggest Security Threat Today?

You Are

Specifically

YOU AND YOUR EMPLOYEES!

2 Ways You And Your Employees Are Threats

“But We’re Small… Nobody Would Bother To Hack Us, Right?”

Wrong!

COMPLACENCY

"Success breeds complacency. Complacency breeds failure. Only the paranoid survive."

- Andrew Grove, former CEO of Intel

EMPLOYEE TRAINING

Lack of an employee training program to raise awareness of cyber crime and cyber security.

HOW IS CYBER CRIME DIFFERENT

Blame often goes onto the victim.

"They were irresponsible"

Don’t Be the Low Hanging Fruit on the Tree

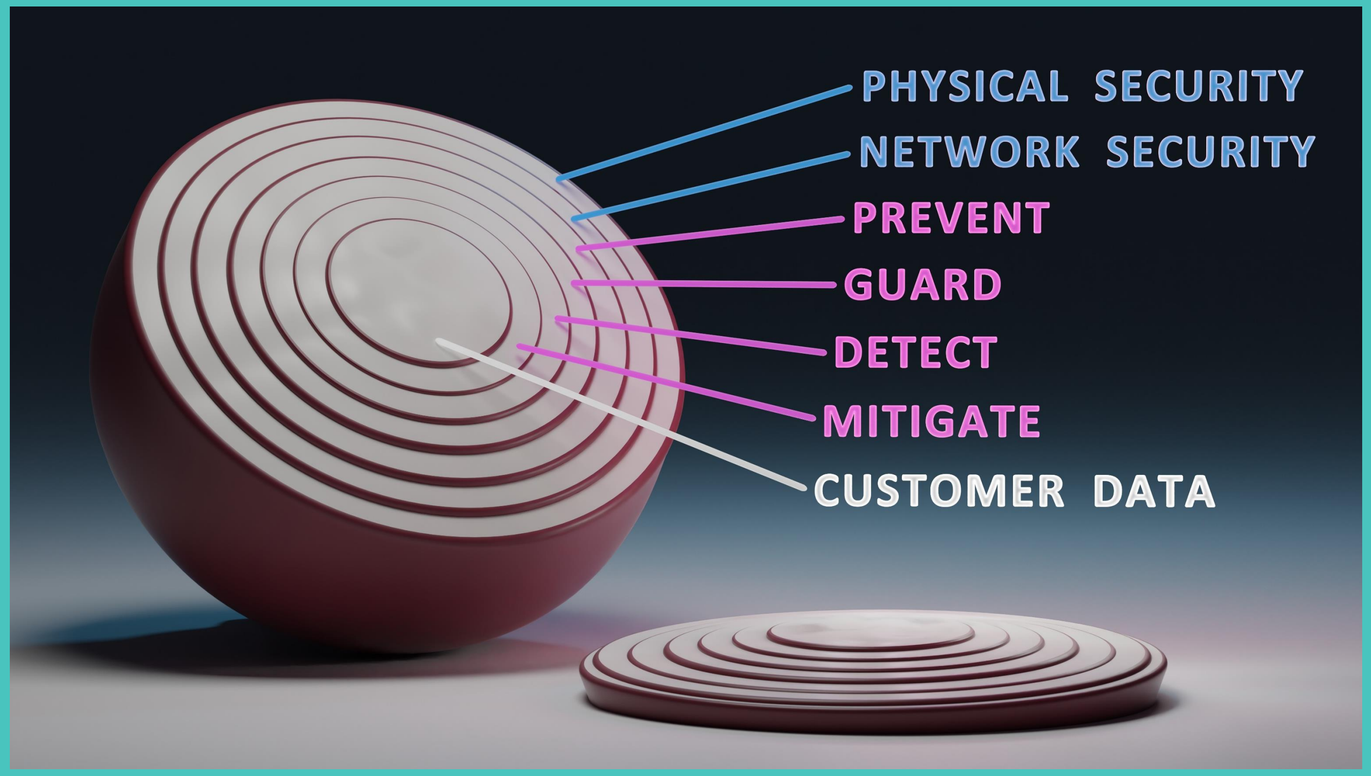
NUMBER

02

7 Cyber Security Best Practices You Can Implement Right Now To Better Protect Your Operations

Security should be like an onion

You need to have multiple levels of security before you get to the inside



PROTECTION

№ 1

Employee Education

PROTECTION

№1

Implement An Employee Training Plan

There are many options available, either through MSPs or direct. We provide training to all our clients as part of our service. INFOSEC and KnowBe4 are two common ones that you can purchase direct.

INFOSEC

KnowBe4
Human error. Conquered.

PROTECTION

№2

Passwords and Multi-Factor

PROTECTION

№2

Require Strong Passwords and….

PROTECTION

№2

Don’t Reuse Passwords!

PROTECTION

№2

Use A Password Manager

1Password

KEEPER®

PROTECTION

№2

Enable Multi Factor Authentication (2FA)

PROTECTION

№ 3

Keep Your Network And Devices Up-To-Date

PROTECTION

№ 3

Security Updates/Patches

- Windows
- 3rd Party Software (Java, Adobe, iTunes, Flash)
- Firewalls, Routers, Servers, etc.
- Printers, Switches
- Phones and Apps

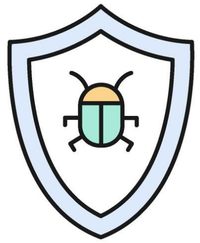
PROTECTION

№ 4

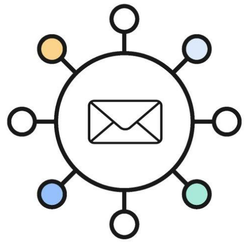
Keep your Standard Security + add in Threat Hunting

PROTECTION

Nº 4

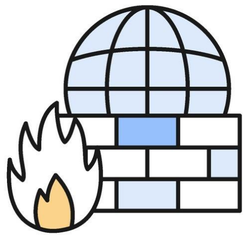


ANTIVIRUS



EMAIL SECURITY

CONTENT FILTERING



FIREWALL / VPN

Keep your Standard PREVENTION Security Solutions

- Email Security
- Firewalls
- Antivirus
- Website Content Filtering (blocking known bad pages)

PROTECTION

№ 4

Add In Threat Detection (EDR or Endpoint Detection and Response)

- Looks for signs of bad actors
- Raises shields (isolates) once it discovers activity that's suspicious
- Log and Remediate

PROTECTION

№ 4

Office 365 Managed Detection and Response

- Looks for signs of suspicious logins
- Looks for email tampering
- Suspicious email forwarding rules

PROTECTION

№ 5

Have An Excellent Backup And Test It Regularly

PROTECTION

№ 5

Backup and TEST

PROTECTION

№ 5

Send Data Offsite as well as keep a copy Onsite

PROTECTION

№ 5

Did I Mention Test?

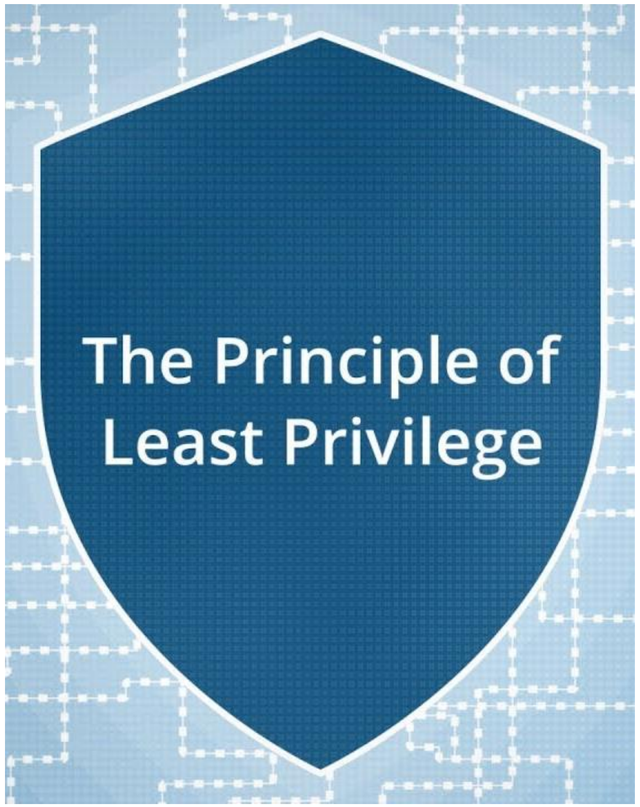
PROTECTION

№6

Limit Administrative Rights

PROTECTION

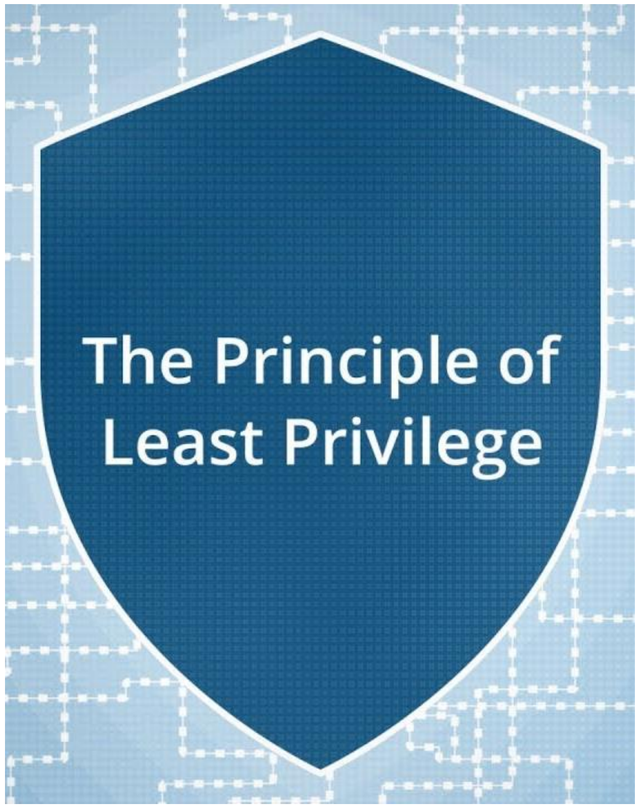
№ 6



Use the Least Privilege Access Principle

PROTECTION

№ 6



No, you as a business owner don't need administrator access on your day-to-day account

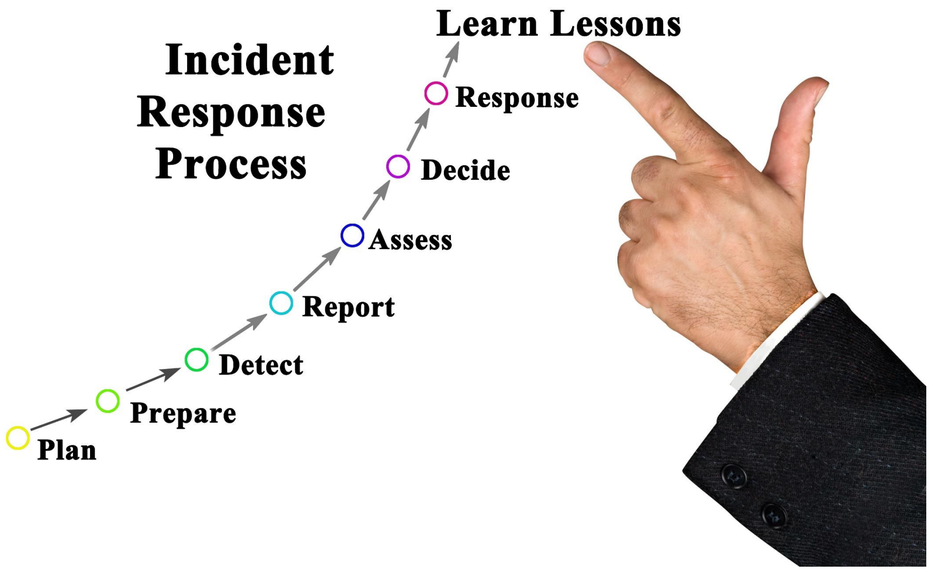
PROTECTION

№ 7

Have an Incident Response Plan

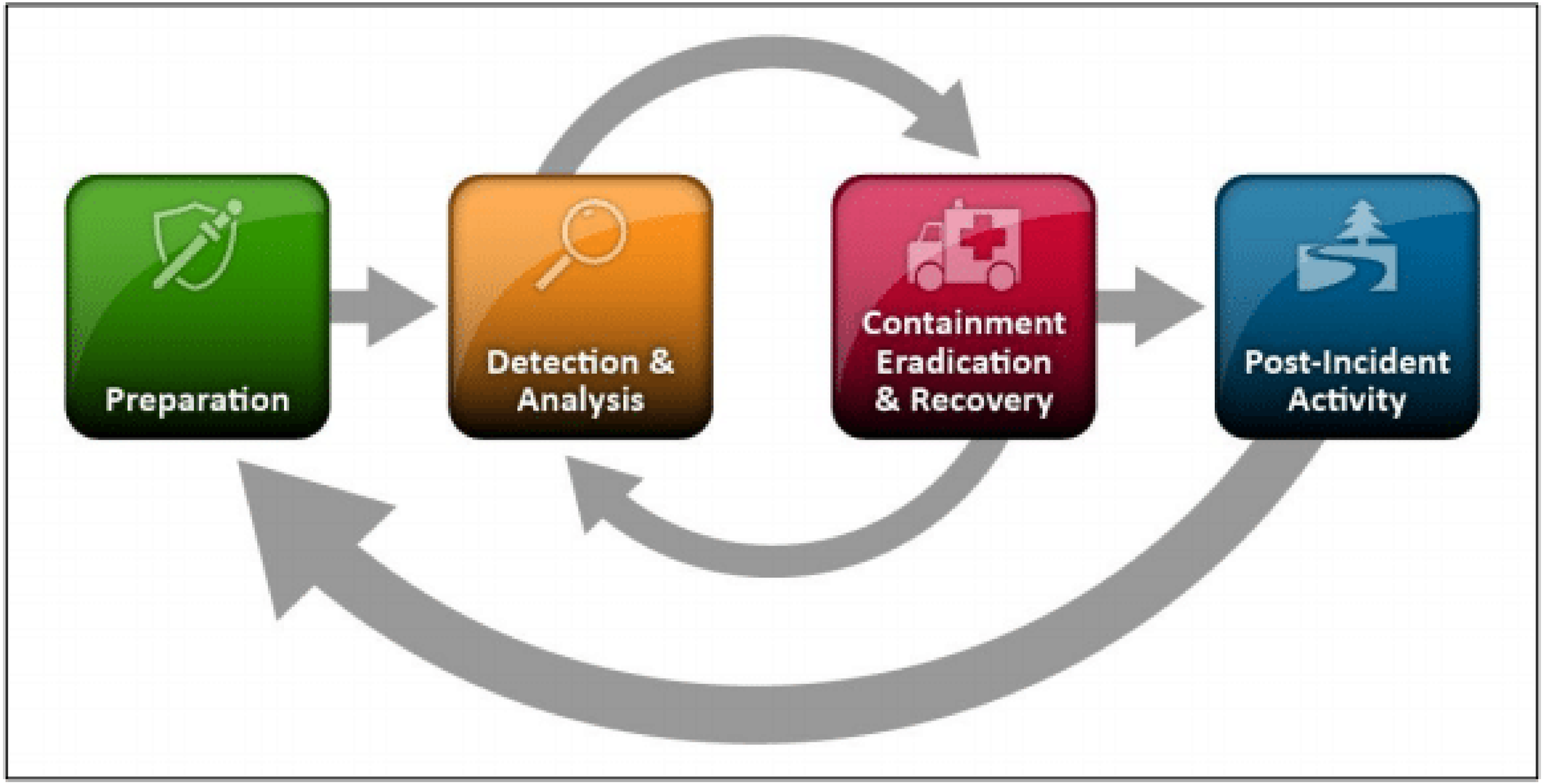
PROTECTION

№ 7



An Incident Response Plan Allows you to respond quickly and limit consequences when a breach occurs

What is an Incident Response Plan?



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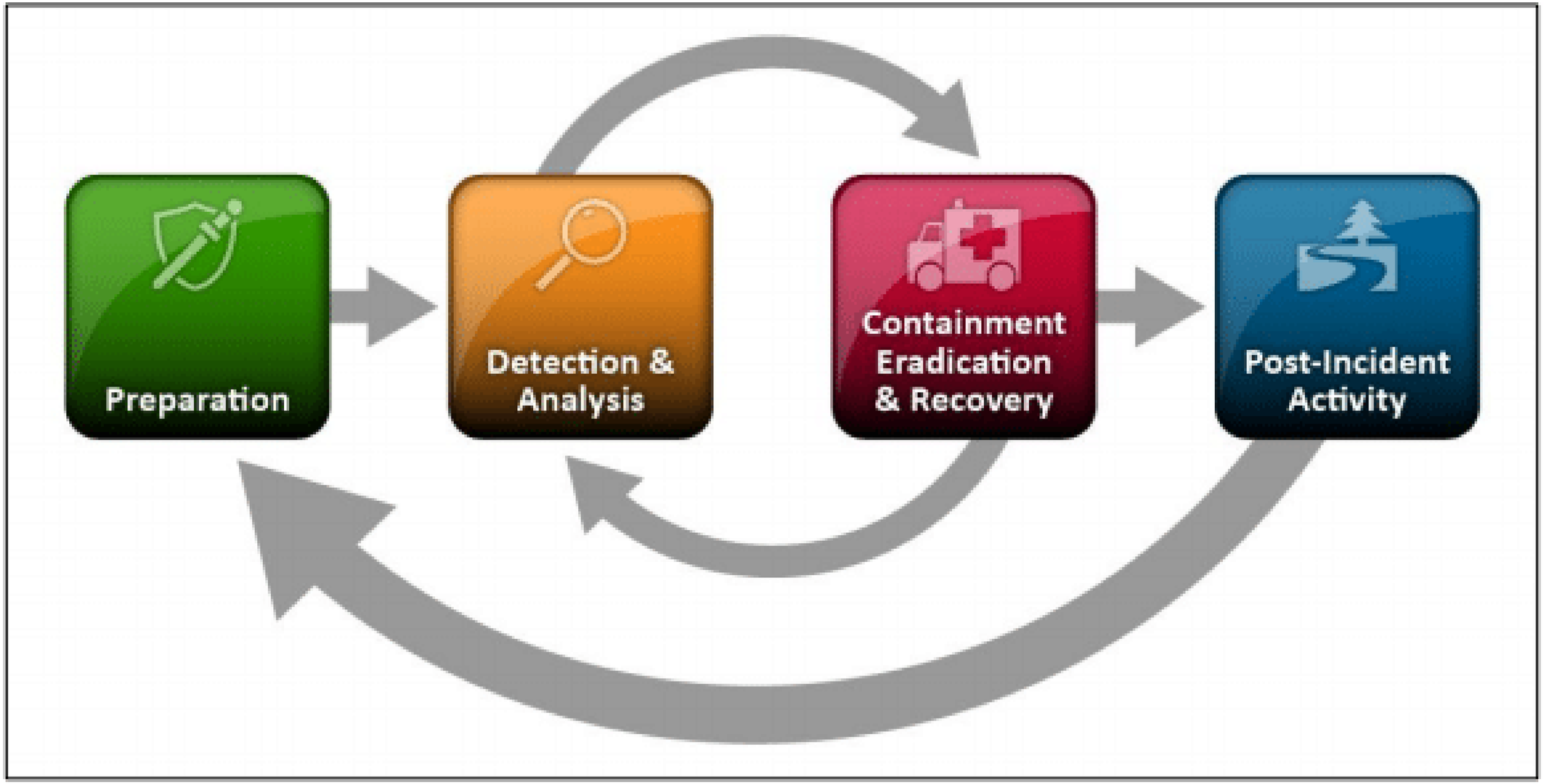

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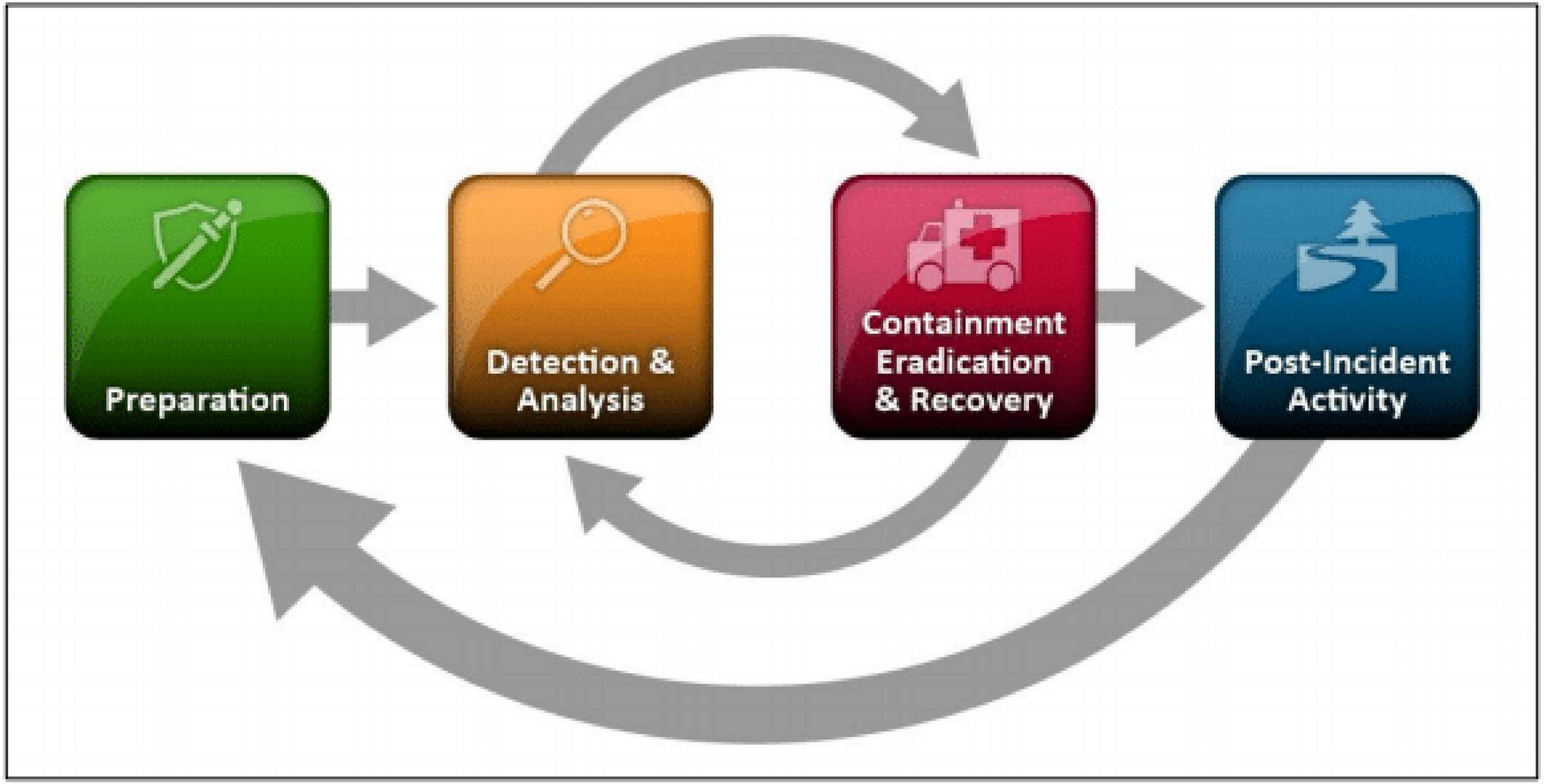
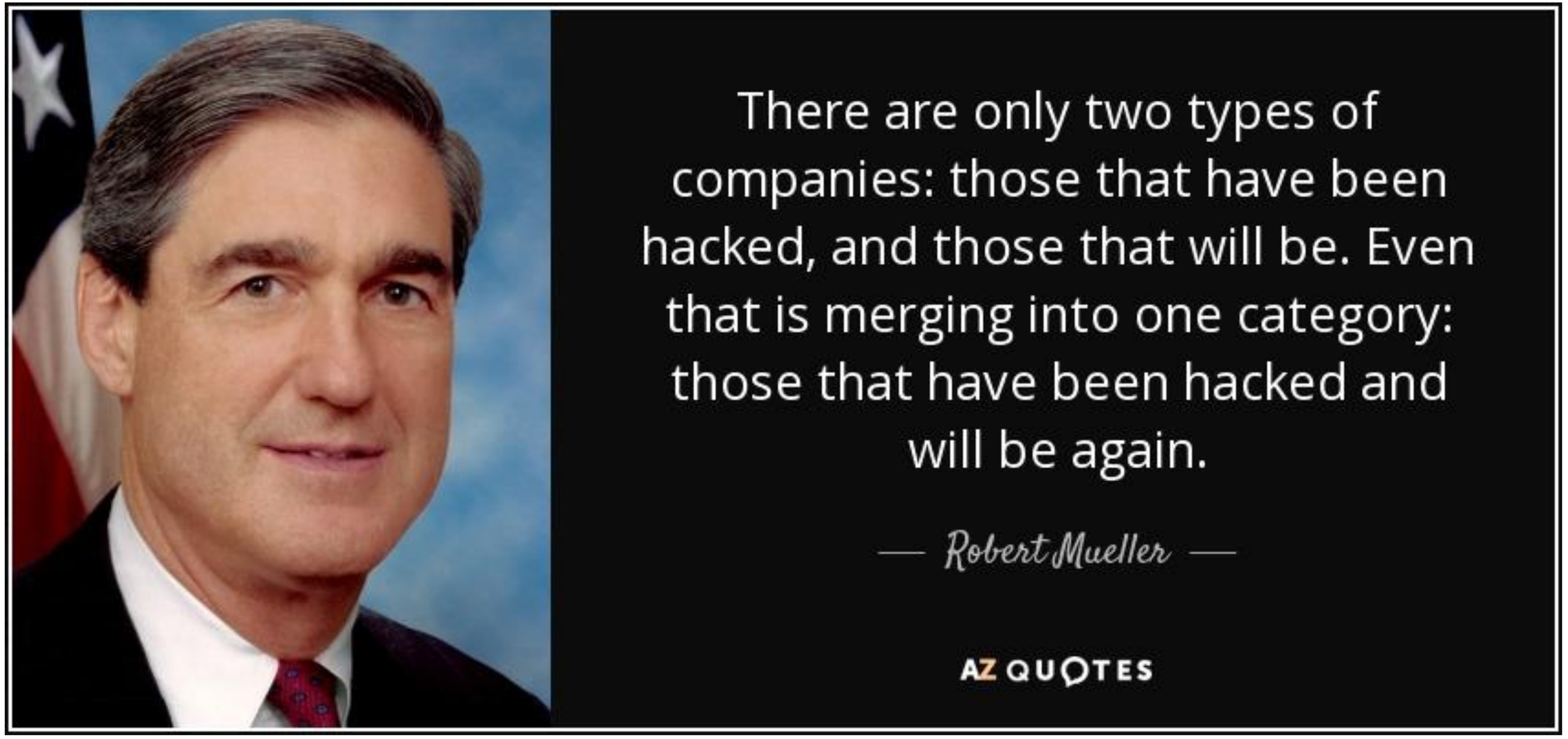
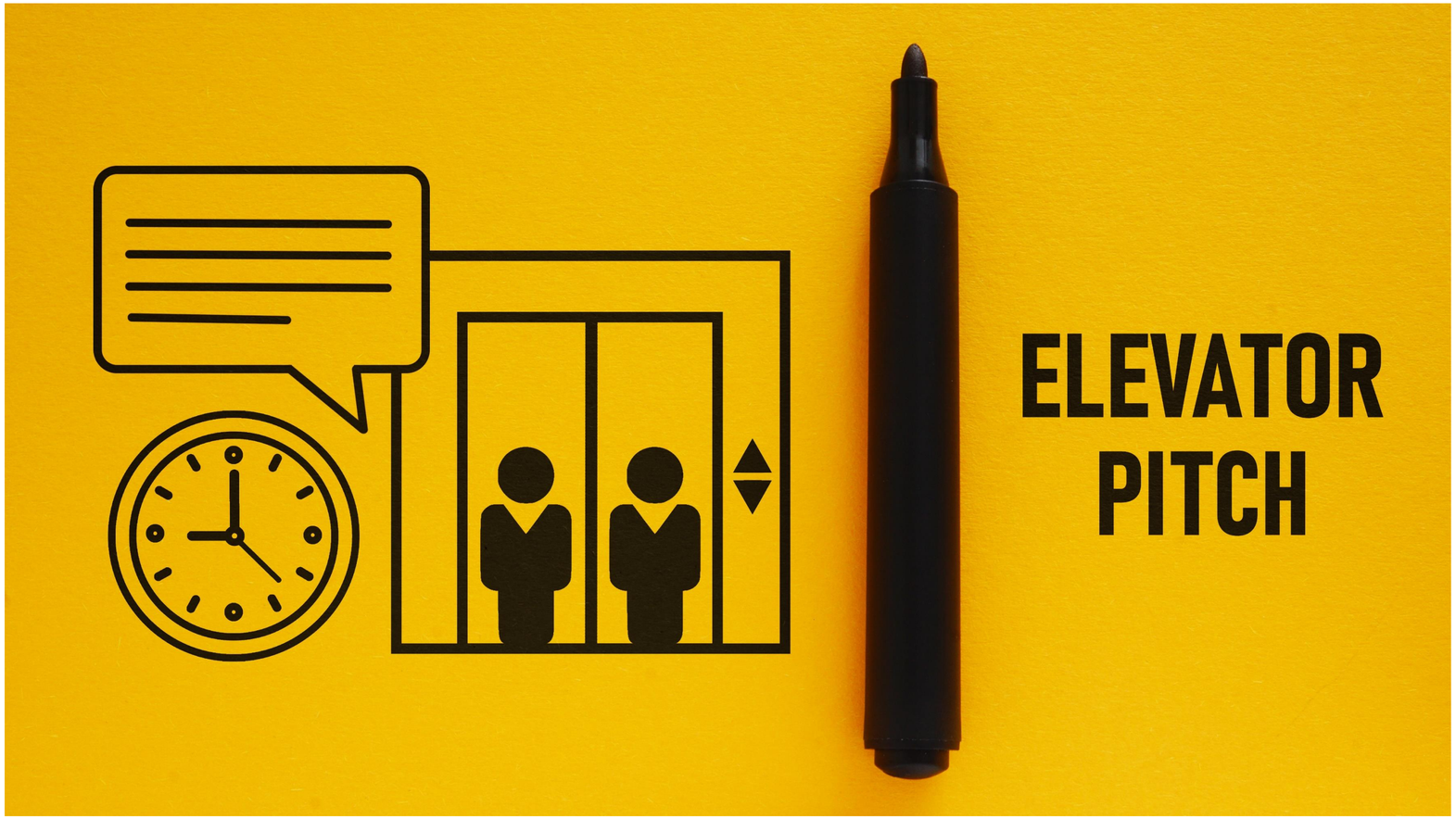


And YES, a Breach is Possible and Likely

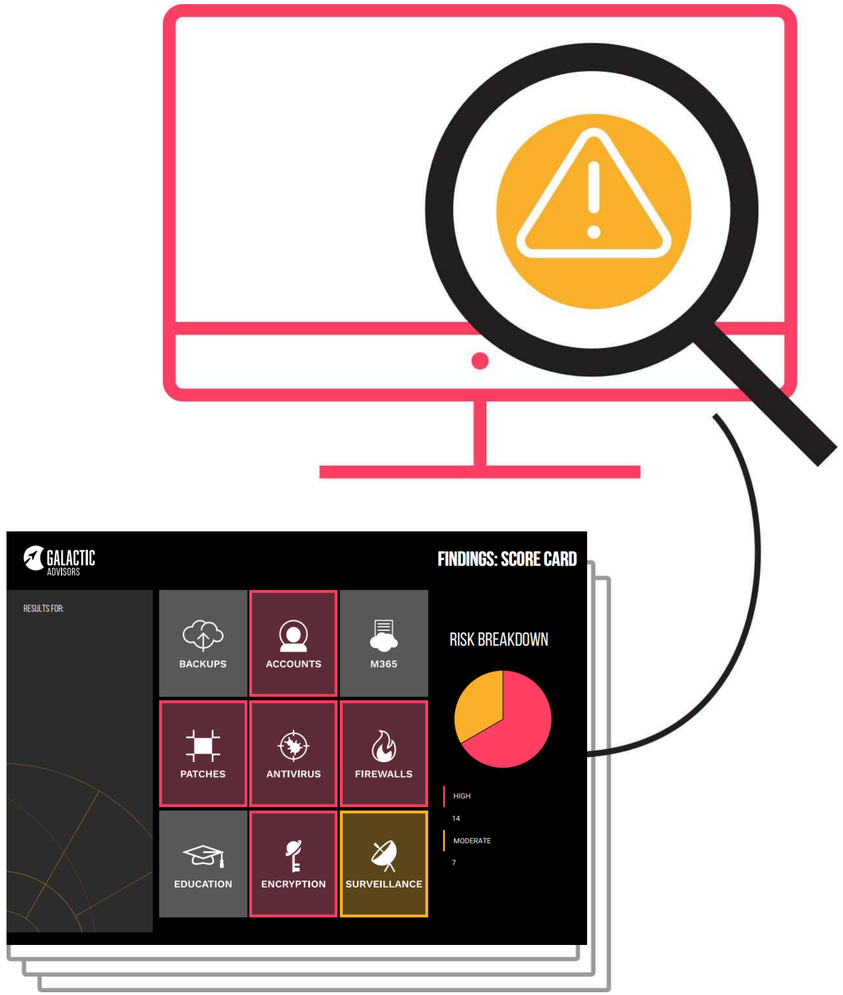


Don’t Be the Low Hanging Fruit on the Tree

My Quick 1 Minute Pitch



Free Cyber Security 3rd Party Risk Assessment



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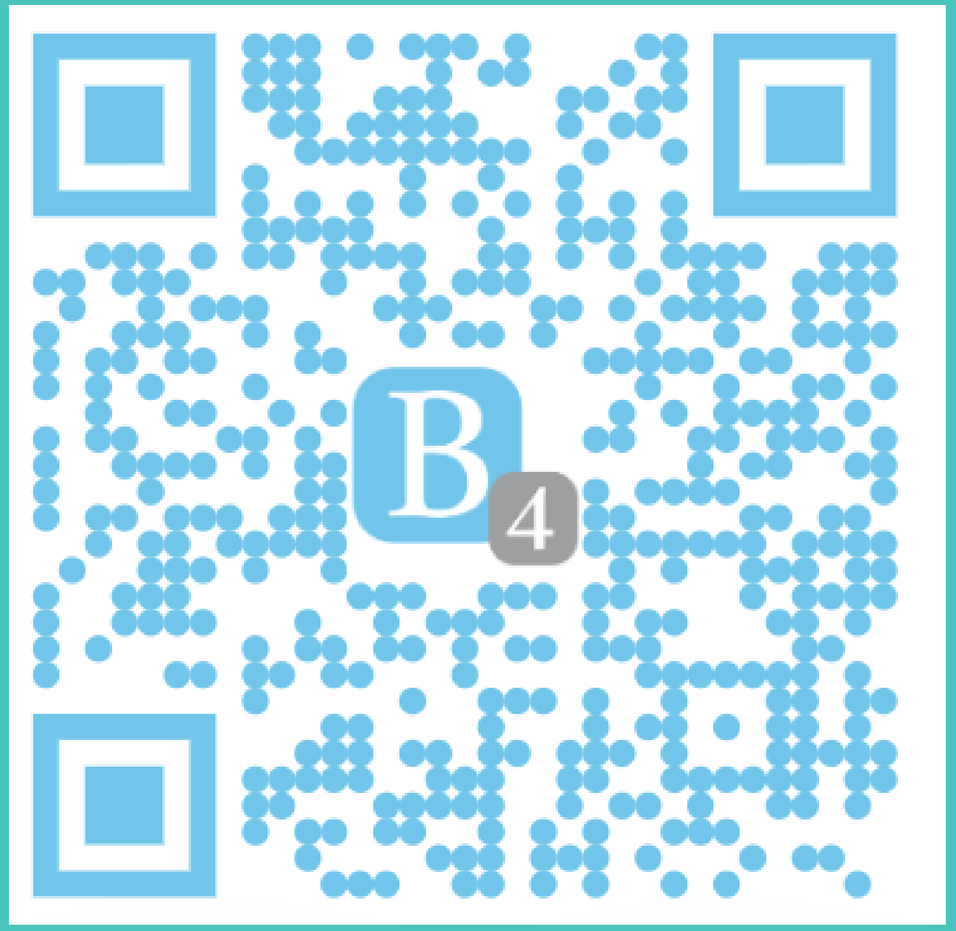

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Thank you

QUESTIONS?

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Free Cyber Security 3rd Party Risk Assessment

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