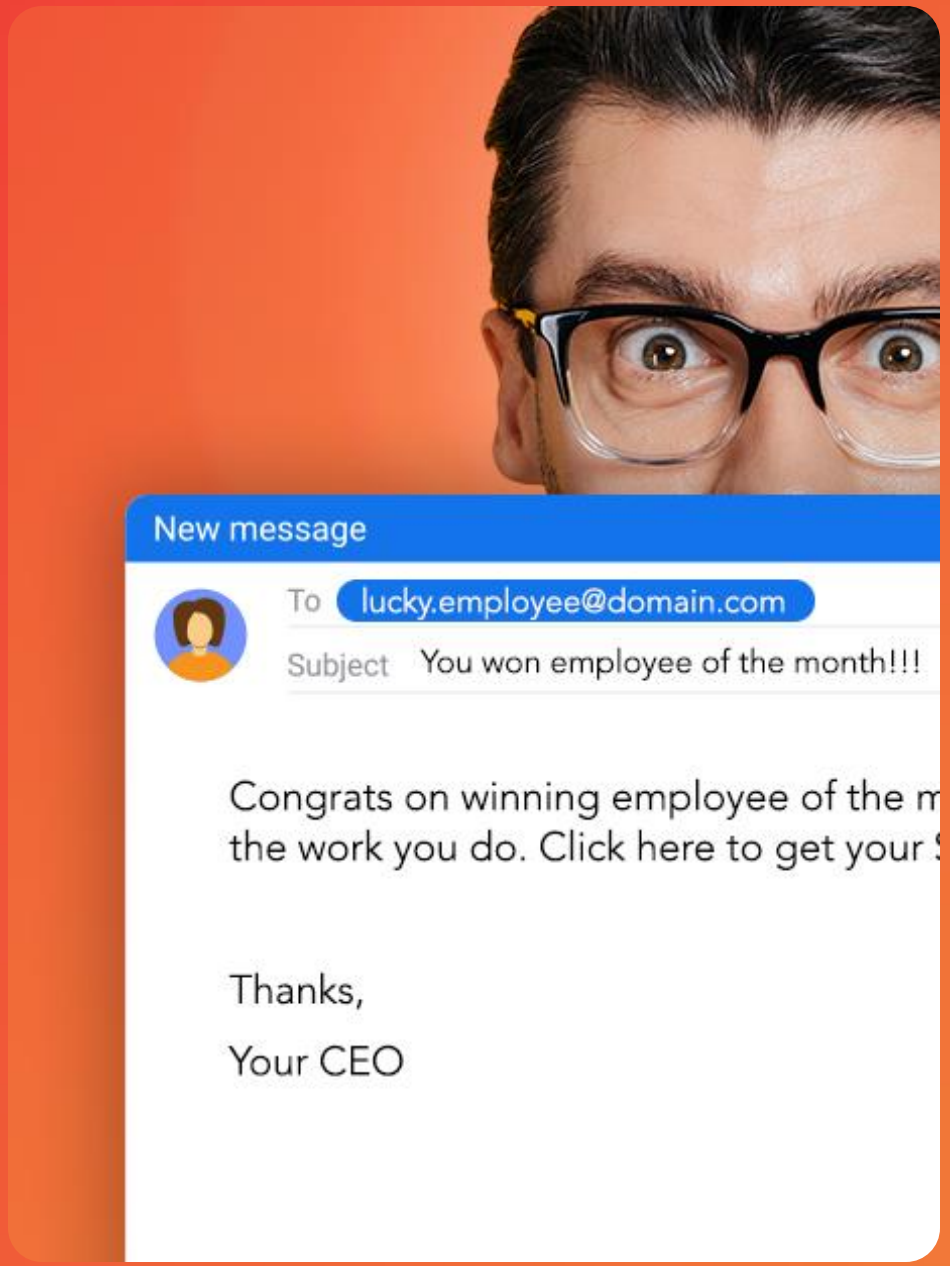

How to defend your organization from all **13 email threat** types.

PRESENTED BY

CMIT Solutions® Your Technology Team

Barracuda® Your journey, secured.

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Host Speaker

Tom McAllister

Director of Marketing

CMIT Solutions

CMIT Solutions®
Your Technology Team

The CMIT Solutions support **network.**

83,000
Users Protected

276
Locations

900
Technicians

29 Years
In the Technology Space

Local Support
National Reach

Expert Speaker

Kyle Marsan

Sr. Systems Engineer

Barracuda

CMIT Solutions®
Your Technology Team

Barracuda Overview

We are here to protect and support our customers for life.
We deliver innovative security products that are easy to buy, deploy, and use.

Comprehensive MSP-focused security solutions:

Email | **Network and Cloud Application** | **Data Protection**

Security-centric RMM | **Managed XDR with 24x7 SOC**

POLL ALERT

Complete this sentence, "95% of cyber attacks..."

Let us know using the poll launched on your screen
for a chance to win some **Barracuda MSP Swag**!

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On average, there is a **cyberattack** every 39 seconds

95% of all **cyber incidents** are **human-enabled**

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Impact of email attacks on organizations

493M

Ransomware attacks in 2023

43%

of all cyber attacks are on SMBs

1 in 4

organizations had at least one email account compromised in 2023

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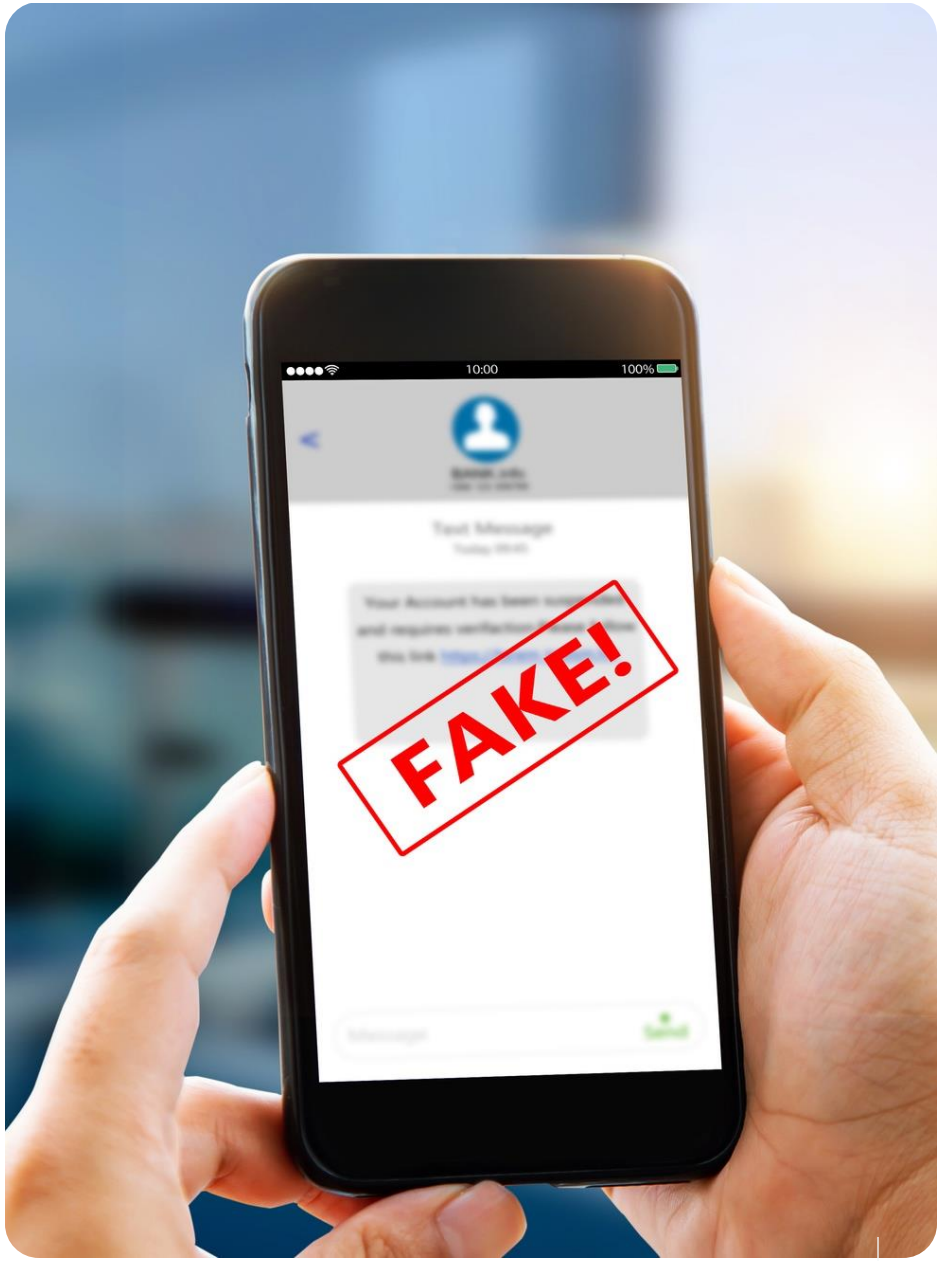
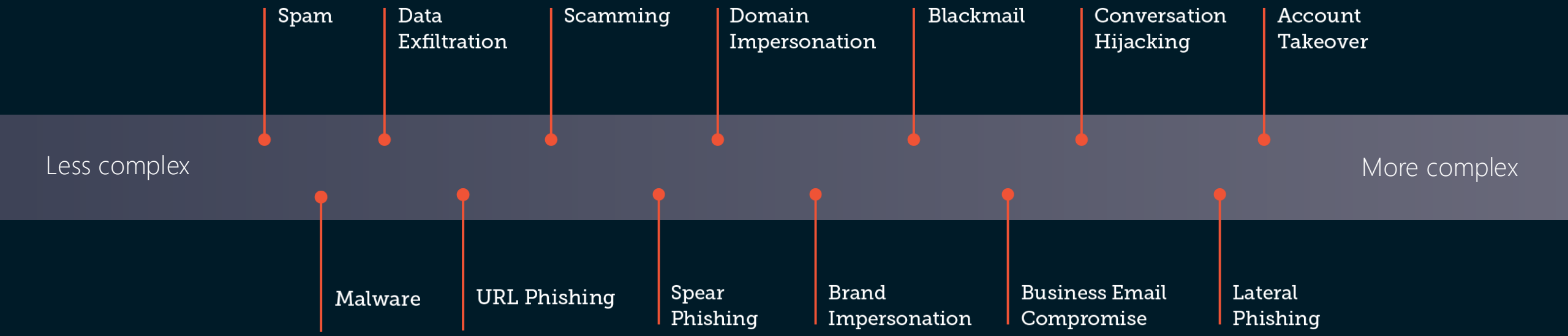
Email threat trends



Email attack complexity is increasing
Introducing the email threat taxonomy



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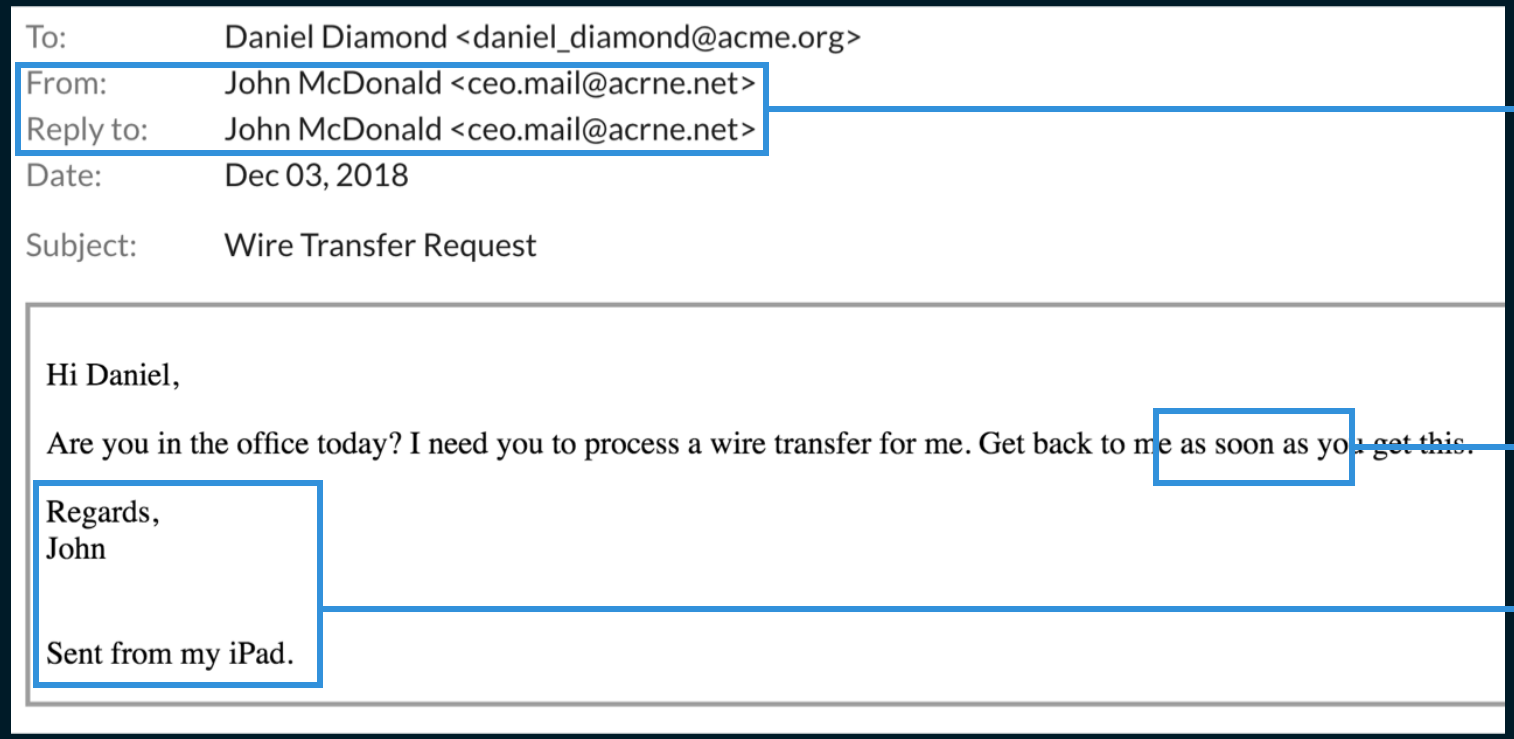
Business Email Compromise decoded

Threat type

Business Email Compromise



1. Impersonation techniques

2. Sense of urgency

3. From an authority / executive

High reputation senders | No links | No attachments

Service Impersonation decoded

Threat type

Service Impersonation

1. No malicious payload

2. Hosted on high reputation domain

Microsoft office365 Account

Review recent activity

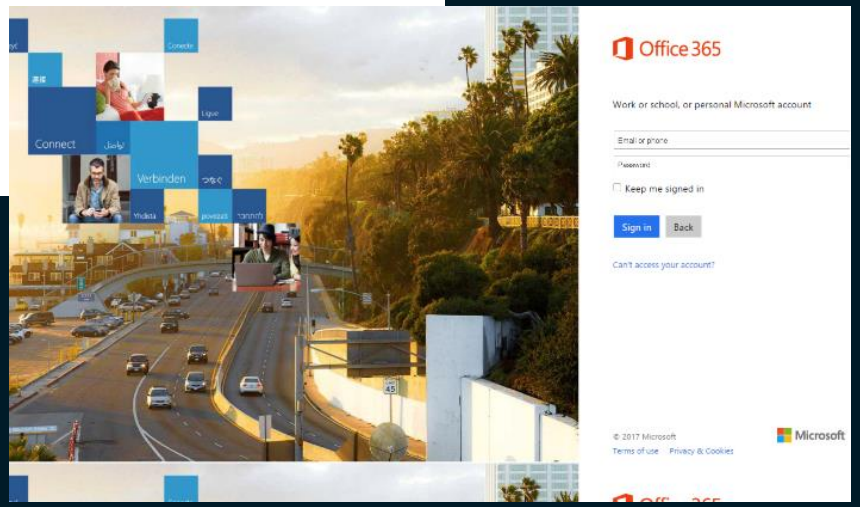
We detected some unusual activities on your Microsoft office365 Account. To help keep you safe, we required an extra security challenge.

And to avoid deactivation, Please review your recent activity and we'll help you take corrective action.

Review recent activity

To opt out or change where you receive security notifications, click here.

Thanks,
The Microsoft account team



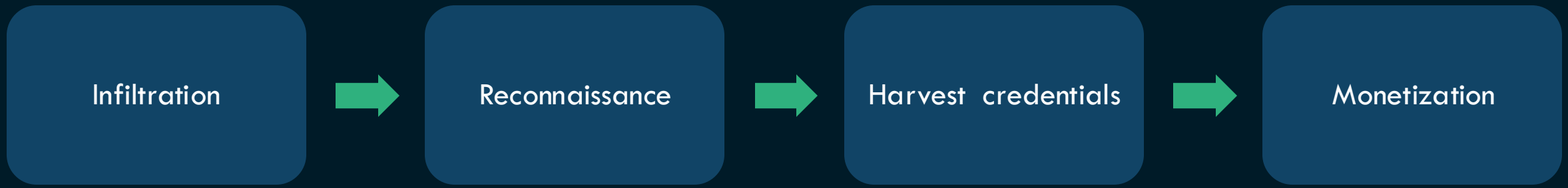
3. Unusual email address and landing page

Account Takeover decoded

Threat type

Account Takeover

Compromised credentials through phishing attacks, malware or database breaches



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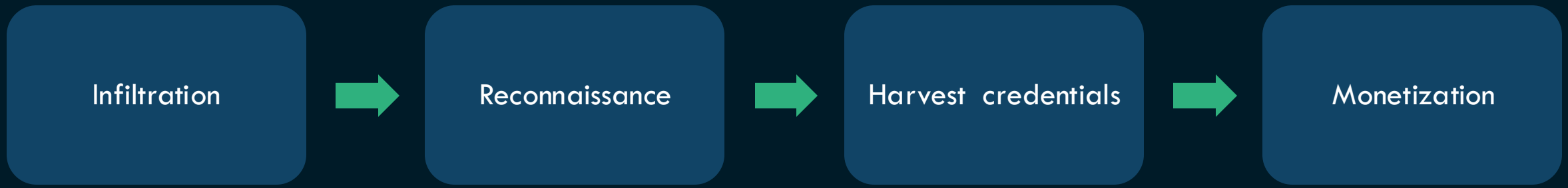
Account Takeover

Threat type

Account Takeover

Compromised credentials through phishing attacks, malware or database breaches

Watch, learn, collect information. Compromise more accounts



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Account Takeover

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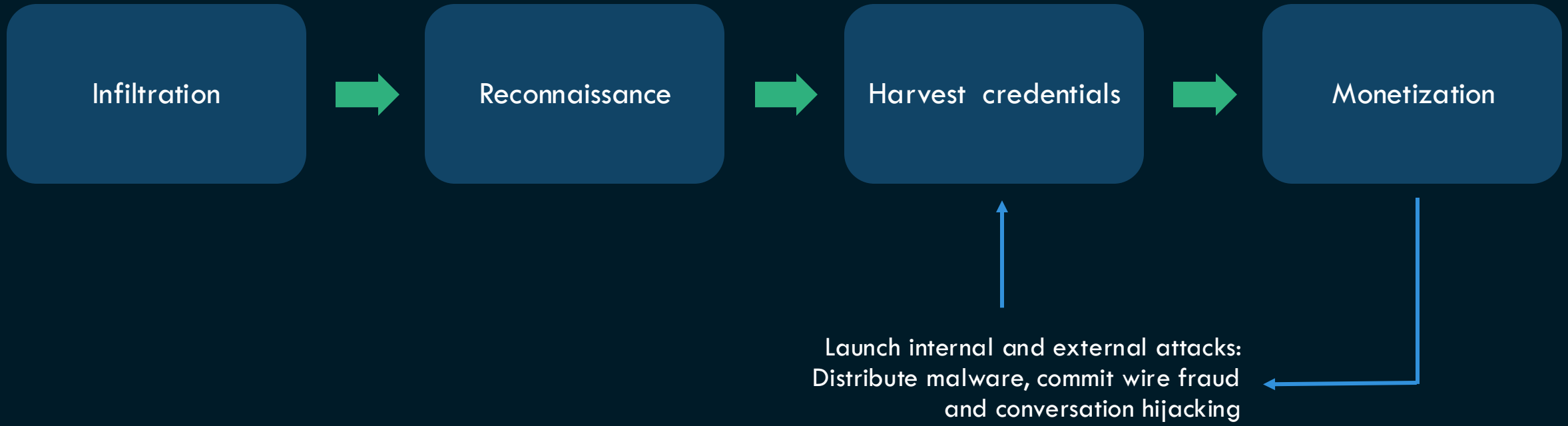

POLL ALERT

With the recent boom of artificial Intelligence technologies, do you find that your inbox is being targeted by phishing emails more frequently than before?

Let us know using the poll launched on your screen
for a chance to win some **Barracuda MSP Swag**!

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Beating threats with the right protection

Two forms of defense. You need both

THREAT TYPES	EMAIL GATEWAY	API-BASED INBOX DEFENSE
Spam	●	○
Malware	●	○
Data Exfiltration	●	○
URL Phishing	◑	●
Scamming	◑	●
Spear Phishing	○	●
Domain Impersonation	○	●
Service Impersonation	○	●
Blackmail	◑	◑
Business Email Compromise	○	●
Conversation Hijacking	○	●
Lateral Phishing	○	●
Account Takeover	○	●

○ Does not provide sufficient protection ◑ Provides some protection ● Provides best protection

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Impersonating Matthew Johnson

LDAP rules can miss

Threat type

Business Email Compromise

To: Lauren Crawl

From: Matthew Johnson ✓

Subject: Quick request

To: Lauren Crawl

From: Matthew R. Johnson X

Subject: Quick request

To: Lauren Crawl

From: Johnson Matthew X

Subject: Quick request

To: Lauren Crawl

From: Matt Johnson X

Subject: Quick request

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Deceptive language

Content filters can miss

Threat type

Business Email Compromise

To: Lauren Crawl

From: Matthew Johnson

Subject: Quick request

… I need you to process a wire transfer?...

… funds transfer….

… money transfer….

… make a payment ….

… process invoice….

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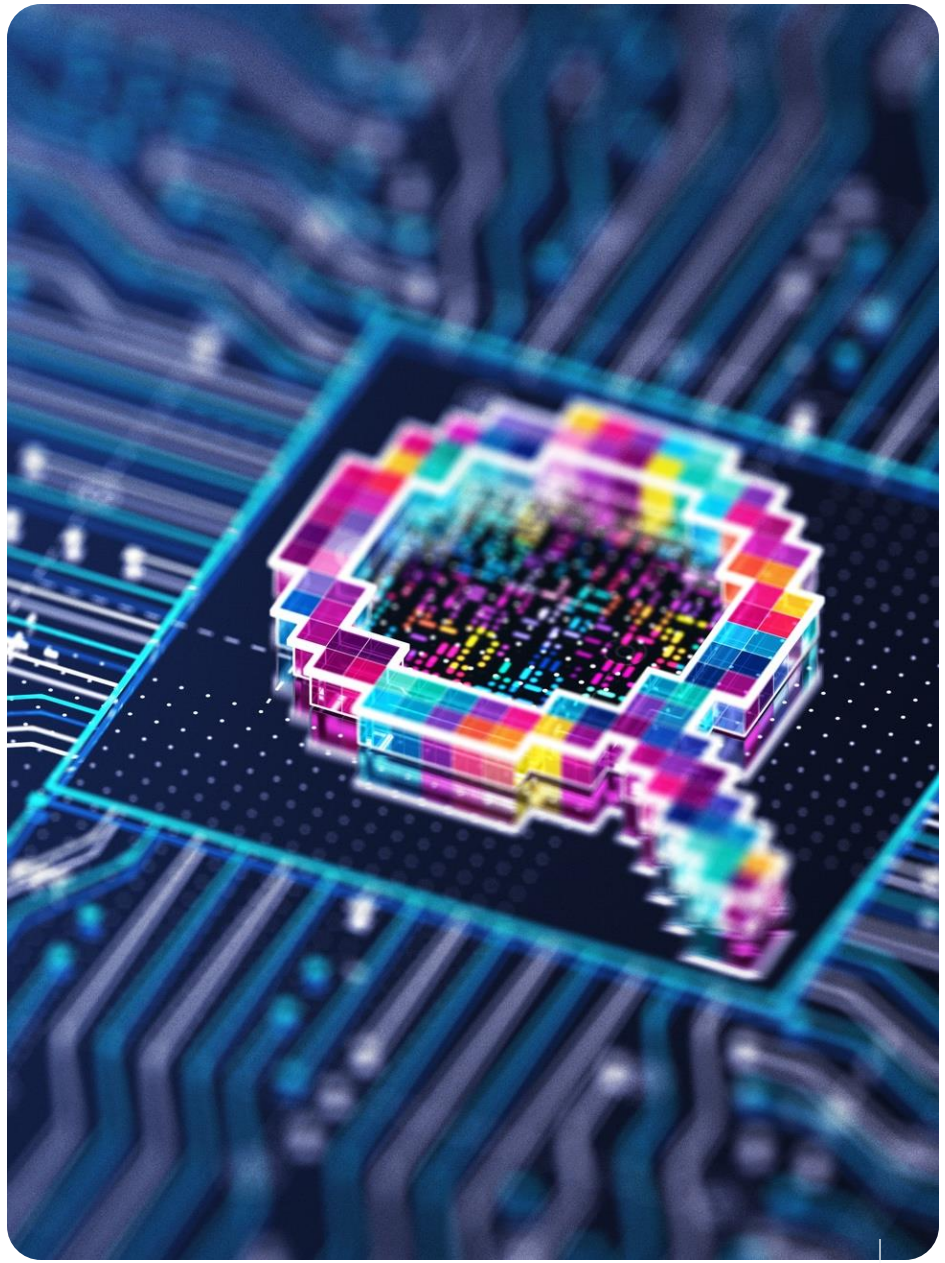
API-based pros and cons



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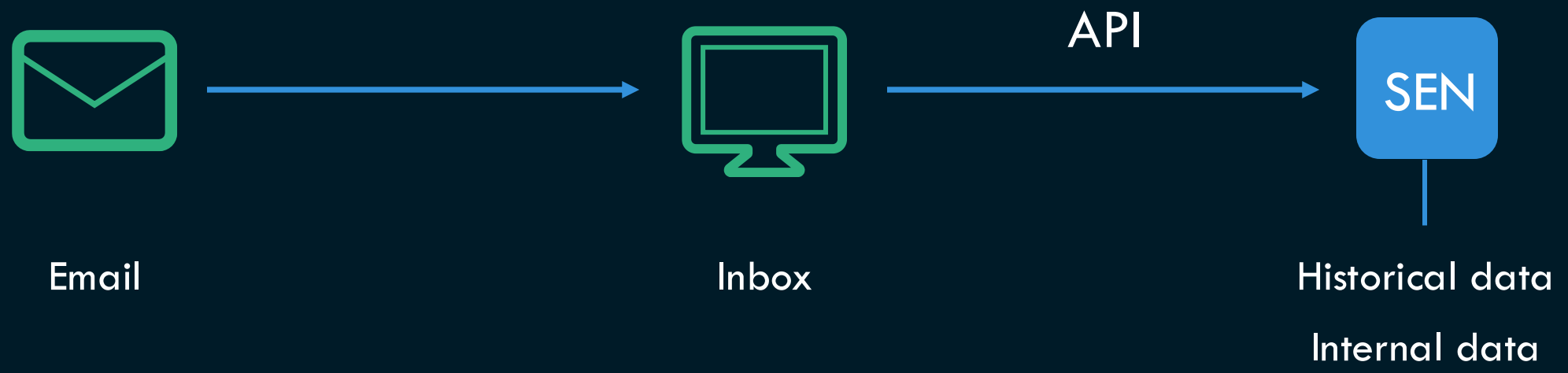
What is API-based Inbox Defense?



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API defense: less effective for high volume attacks

Spam

Gateway:

Blocked before it hits mail server or inbox

API Inbox defense:

Can overwhelm the server and impact inbox performance

Malware

Gateway:

Signature matching and sandboxing

API Inbox defense:

Large volume of malware can impact inbox performance

Data Exfiltration

Gateway:

DLP and encryption to protect sensitive data

API Inbox defense:

APIs can't remediate lost data post delivery

POLL ALERT

Do you feel your organization is adequately protected against evolving email-born threats?

Let us know using the poll launched on your screen
for a chance to win some **Barracuda MSP Swag**!

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Strategies to improve your email protection

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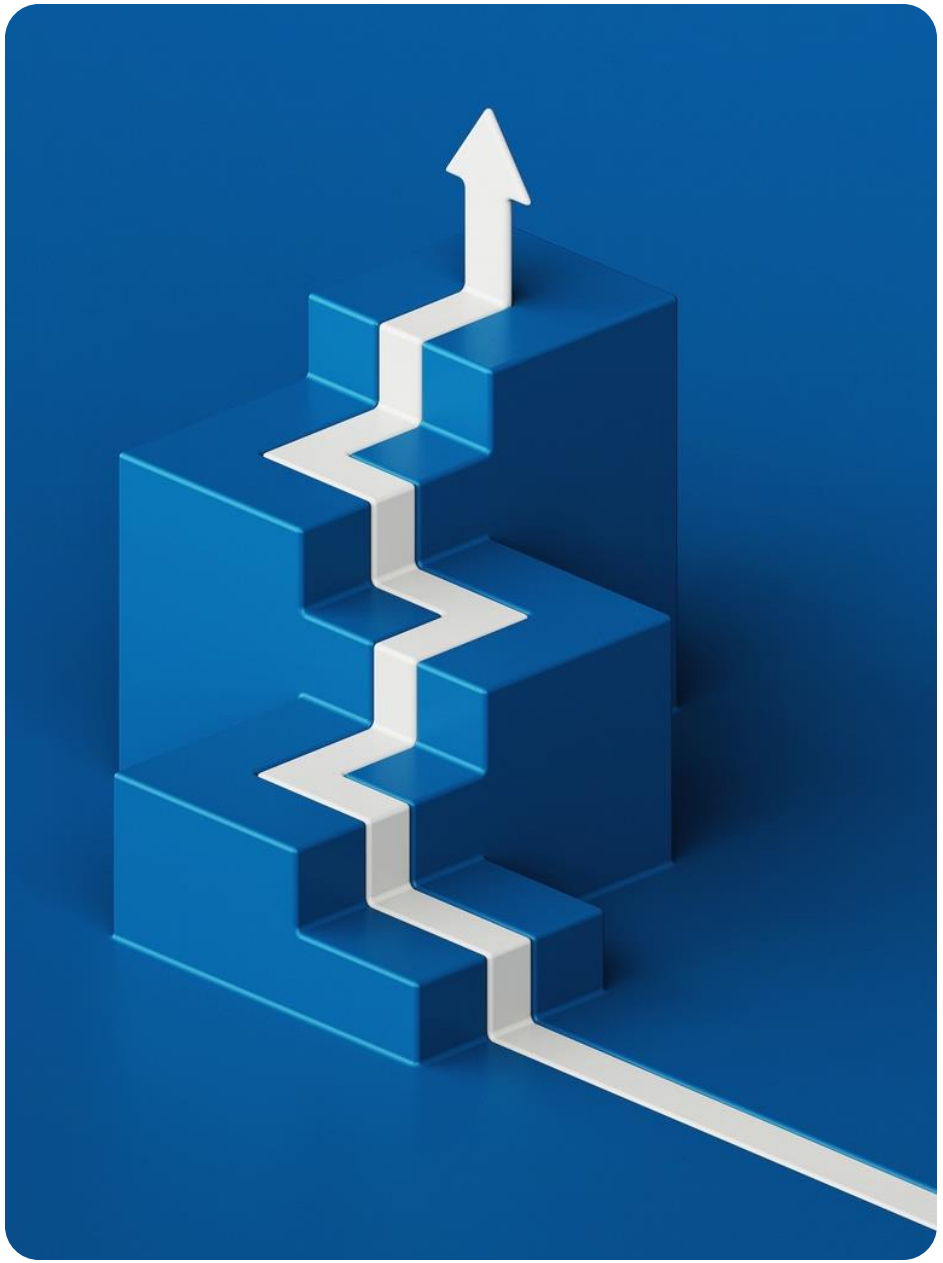
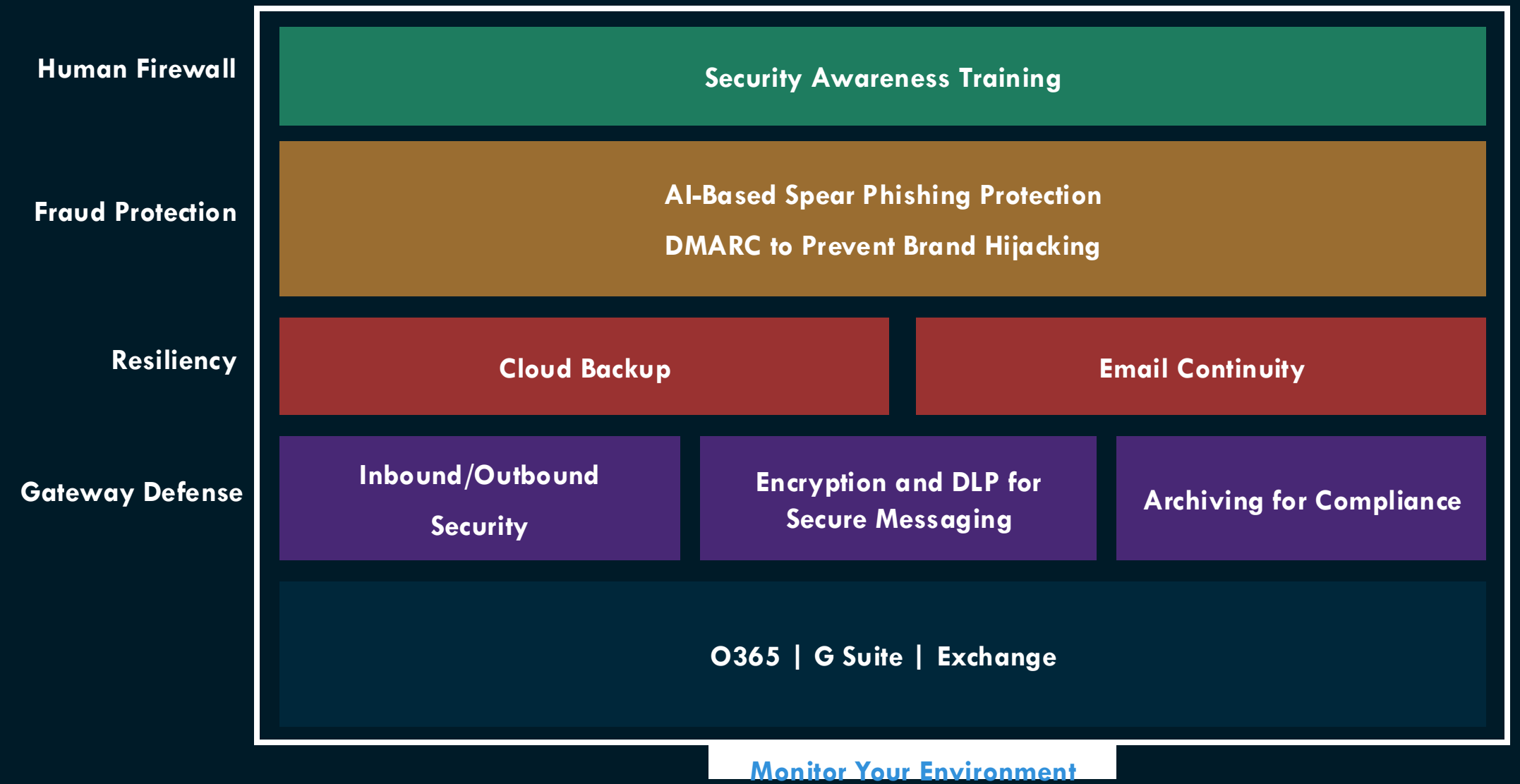


Multi-layered email protection



Next Steps

STEP

One

Protect against all 13 threats with Email gateway and API-based inbox defense

STEP

Two

Educate your employees on the latest email threats

STEP

Three

Monitor, automate & streamline incident response

Resources

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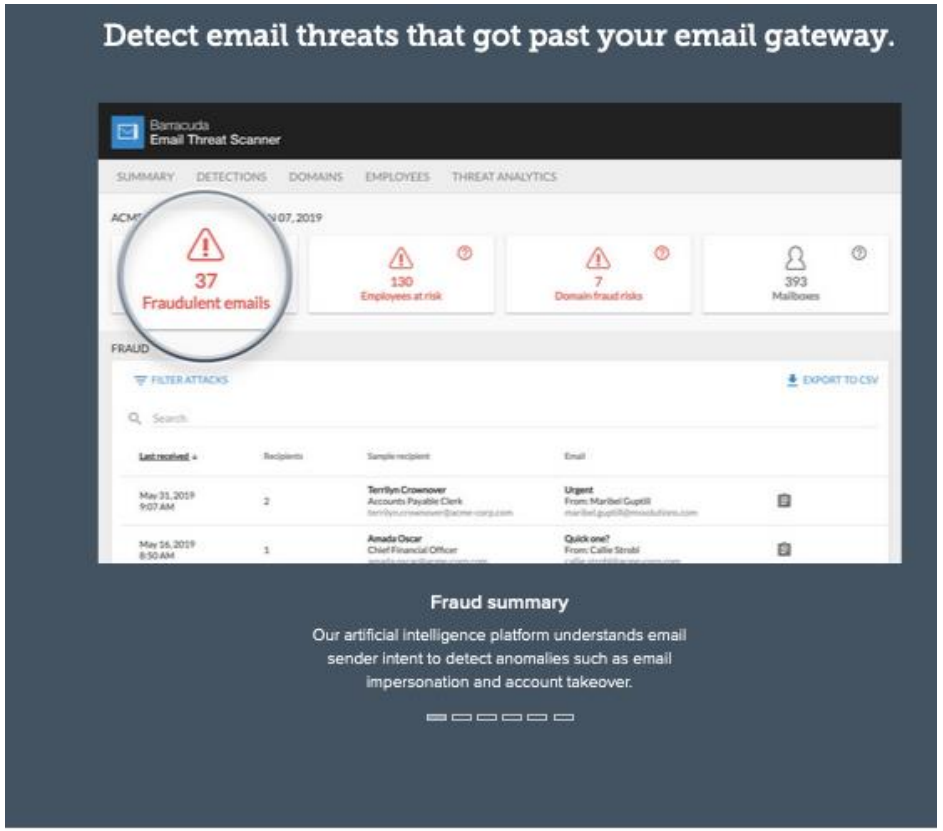
Get started today

- Request a free Microsoft 365 Email Threat Scan
- Identify gaps in your current email protection
- Easy to complete
- Fast results



5,000+ organizations

have run this scan and discovered advanced threats in their Office 365 mailboxes.

8,000+
scans completed
since 2018

8.5 million
mailboxes
have been scanned for threats

4 million
spear phishing attacks
identified to date

Get in Touch!

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Have questions or would like to book a complimentary one-on-one consultation about your organization's cybersecurity needs? **Get in touch today.**

Scan me

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Thank you

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