



# How to Prevent the Next SaaS Disaster with Harmony SaaS

April 2024



Harmony  
SaaS

YOU DESERVE THE BEST SECURITY

# Today's Speaker



## Aner Gelman

Former CEO and Co-Founder of Atmosec  
Product Manager for Harmony SaaS



Harmony  
SaaS

# Atmosec is now Check Point Harmony SaaS



- ✓ Co-founded in 2021 by Aner Gelman, Misha Seltzer and Shaked Gitelman
  - ✓ Acquired by Check Point in September 2023
- ✓ Enhances Check Point's ability to offer a full security stack for SaaS apps

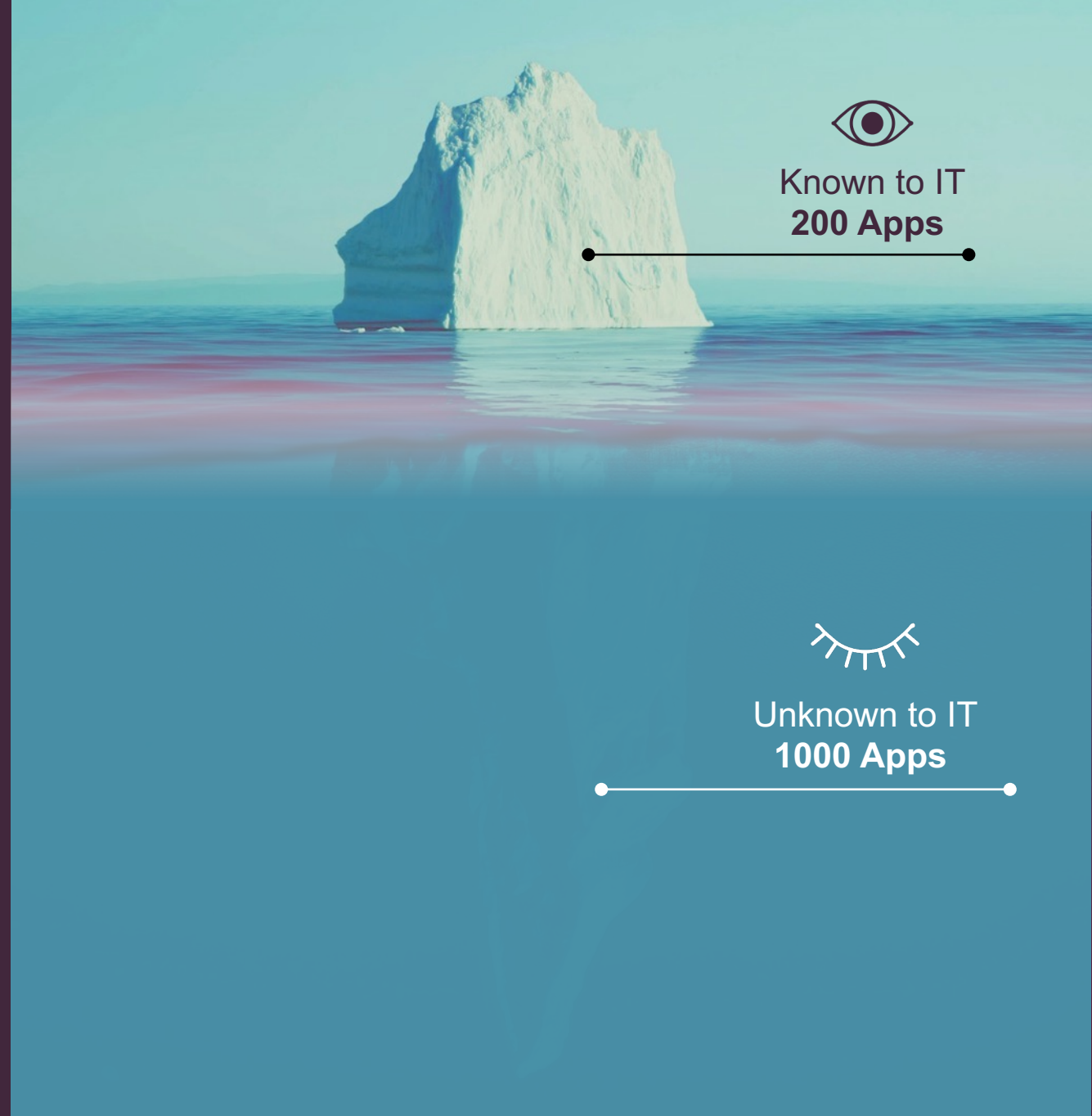
# Agenda

- Current SaaS Threatscape
- Harmony SaaS Overview
- Demo
- Q&A



But your SaaS platforms  
are just a fraction of the  
broader story.

- Shadow SaaS
- Plugins
- APIs

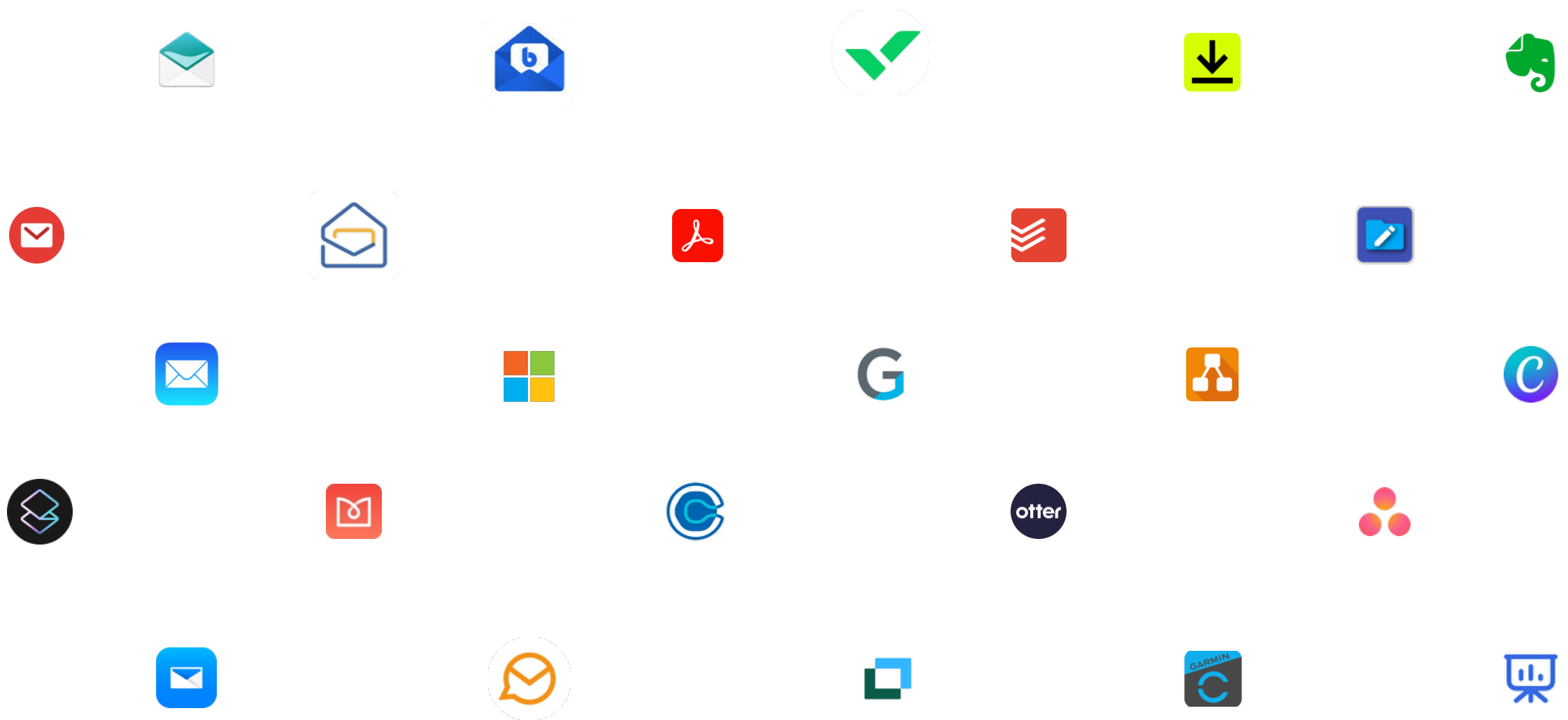


Known to IT  
200 Apps

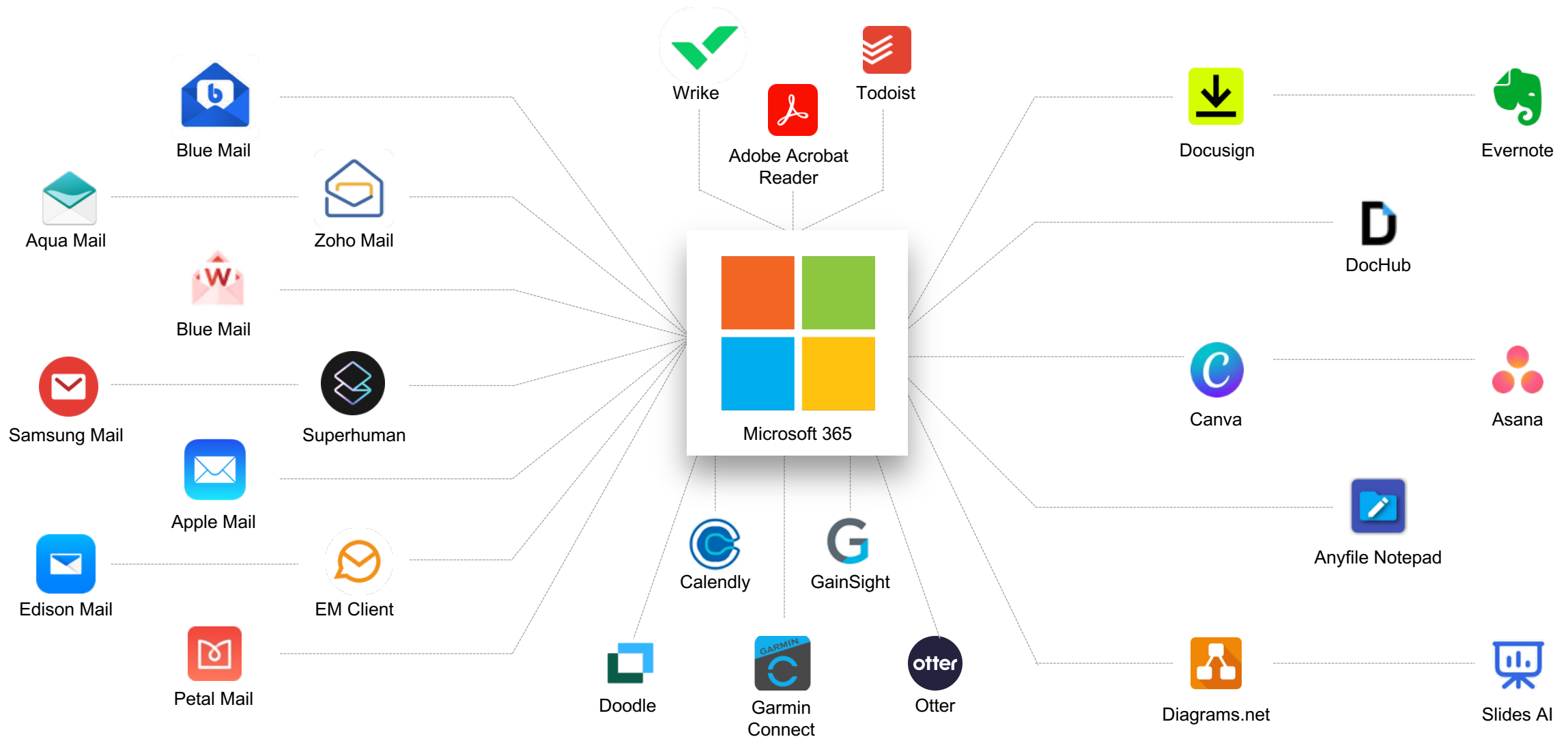


Unknown to IT  
1000 Apps

# You know you have dozens of SaaS applications

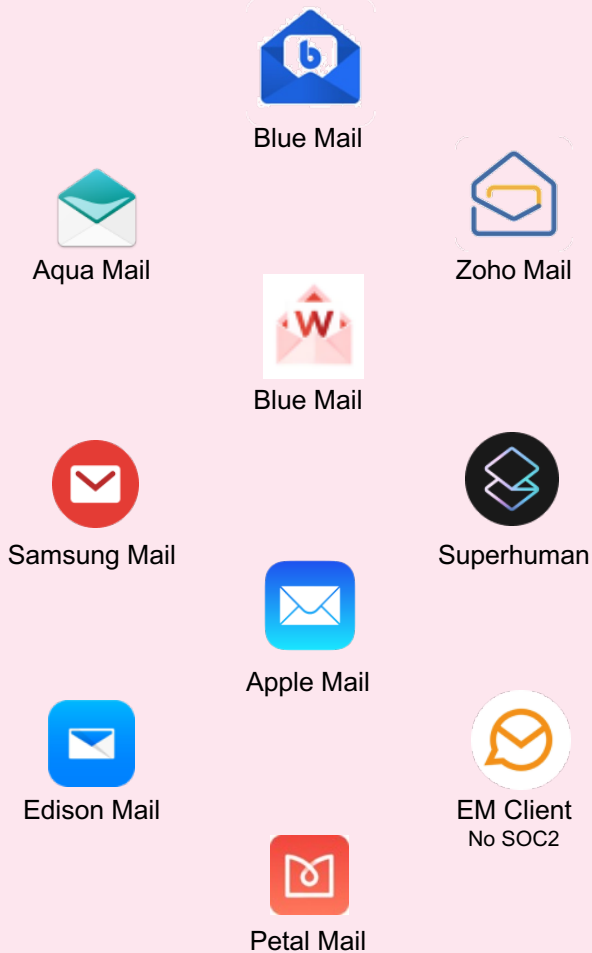


# But do you know what they're connected to?



# Or what kind of access they have to your data?

## 3<sup>rd</sup> party email clients



## Apps with access to email



## Apps with access to files



DocHub



Canva



Asana



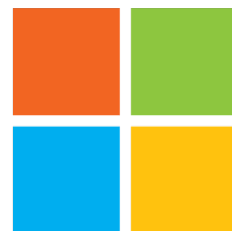
Anyfile Notepad



Diagrams.net

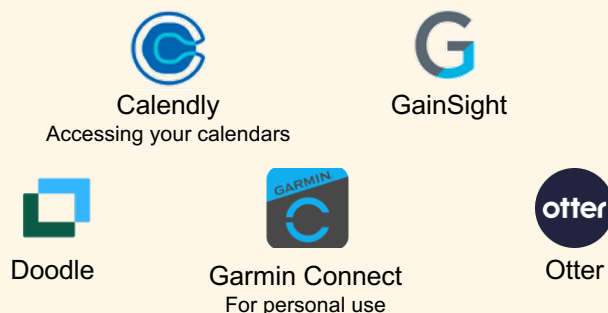


Slides AI



Microsoft 365

## Apps with access to calendar





98%

of organizations worldwide  
connected to breached  
third-party vendors

## SaaS-based Breaches are Up as a Result

81%

**of orgs experienced** data exposure  
due to SaaS applications

43%

**experienced** security incidents directly  
traced to SaaS misconfigurations

50%

**have indirect links** to 200+ fourth-  
party breached vendors

**Sources :**

1 - <https://www.cybersecuritydive.com/news/connected-breached-third-party/641857/>

2 - <https://www.resmo.com/blog/saas-security-statistics>

3 - <https://www.helpnetsecurity.com/2023/02/02/relationships-breached-fourth-party-vendors/>



# Recent Attack Example: Midnight Blizzard

- Hijack Test Account (via Spray attack) with no MFA
- Compromise a Legacy SaaS App with elevated access
- Install Malicious SaaS Apps and create new Admin User
- Assign privileges to read all corporate emails



# SaaS is Essential, but Puts your Users & Data at Risk



## Complex to Secure

Vast ecosystem of shadow SaaS and connected services



## Contains Sensitive Data

Personal records, payment data, source code and more

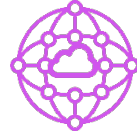


## Multiple Threat Vectors

Data theft, unauthorized access, cyberespionage etc.



# Introducing Harmony SaaS



Continually Reduce your  
Attack Surface

Discover your SaaS ecosystem  
and remediate security gaps



Automatically  
Prevent SaaS Threats

The most advanced  
solution for preventing  
SaaS-based threats



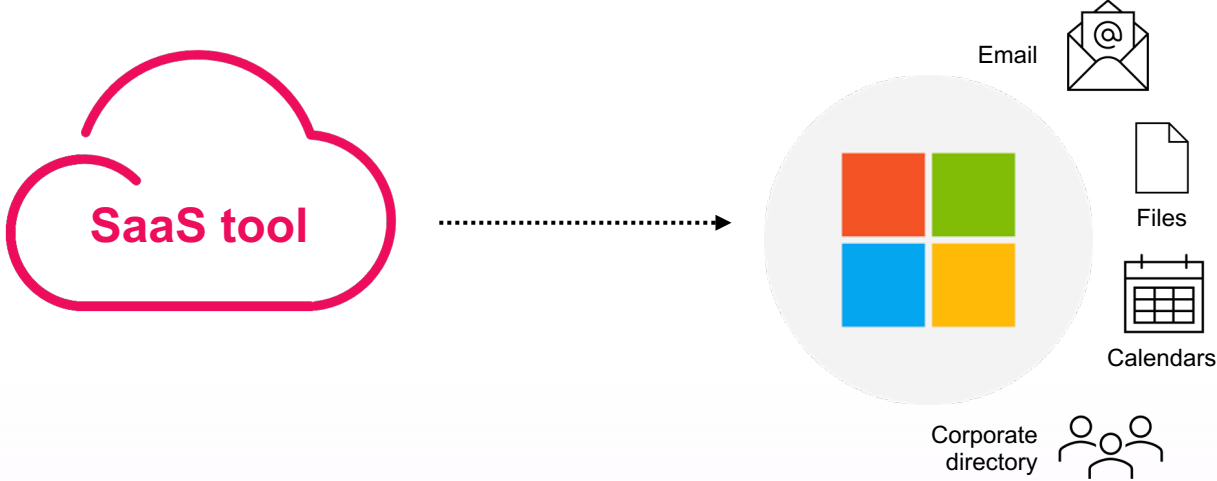
Best  
time-to-value

Install with a few  
clicks and get started  
in minutes



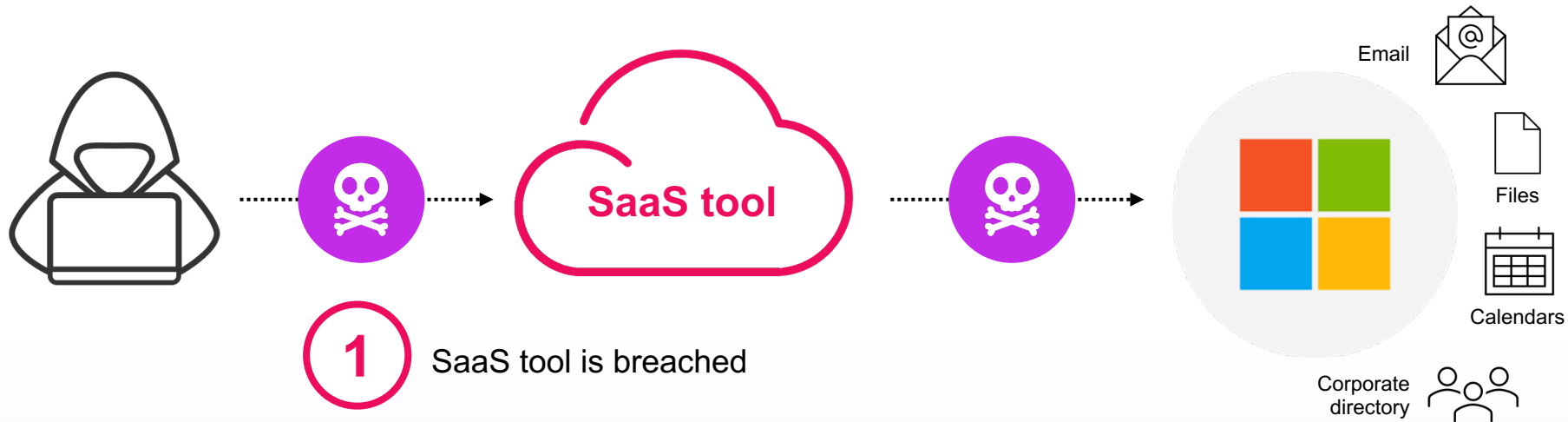
# Automated SaaS Threat Prevention

Leverages ML to Identify Anomalous Behavior



# Automated SaaS Threat Prevention

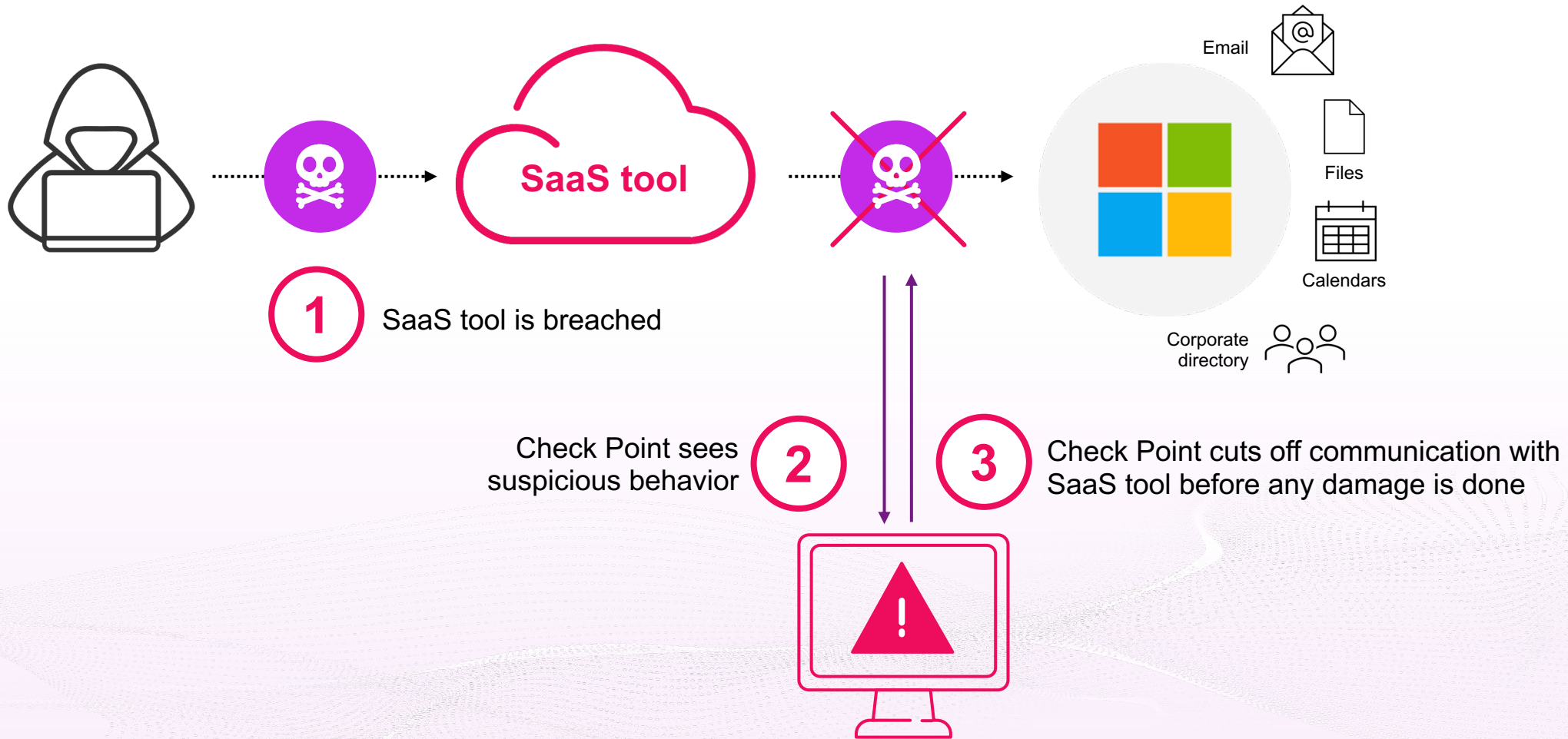
Leverages ML to Identify Anomalous Behavior





# Automated SaaS Threat Prevention

## Leverages ML to Identify Anomalous Behavior



# How Harmony SaaS could have Prevented Midnight Blizzard

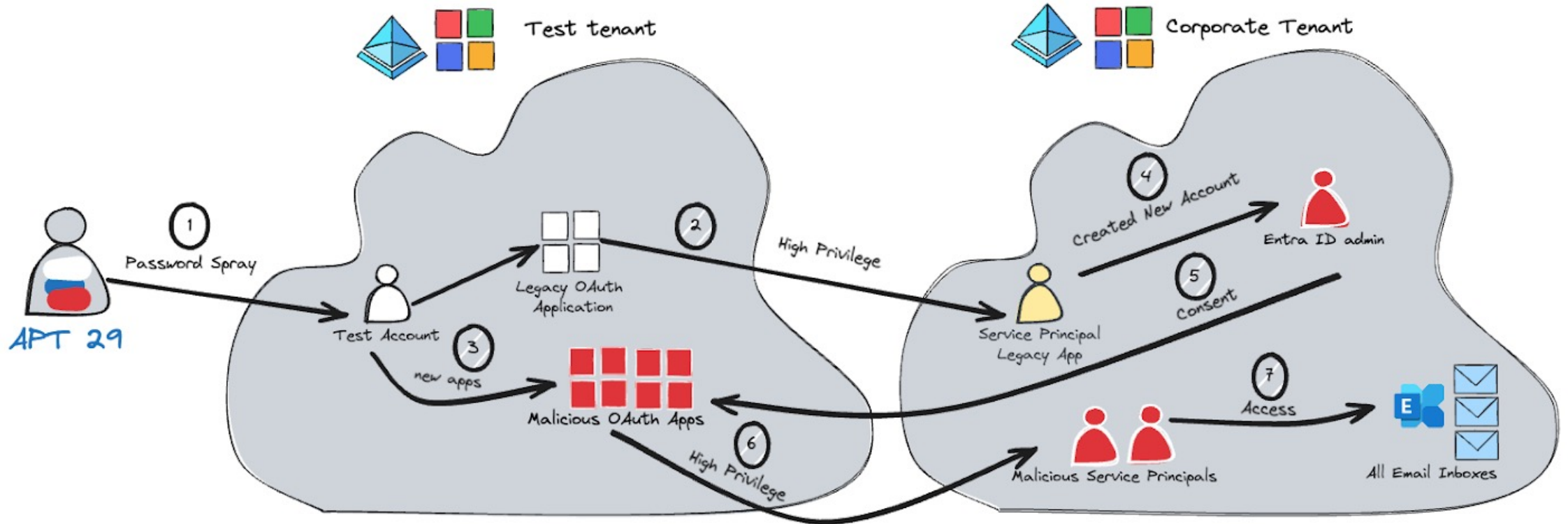


Diagram source: Cloud Security Alliance – csa.org

# How Harmony SaaS could have Prevented Midnight Blizzard

## #1 Legacy OAuth App

Risk reduction notification on unused legacy app

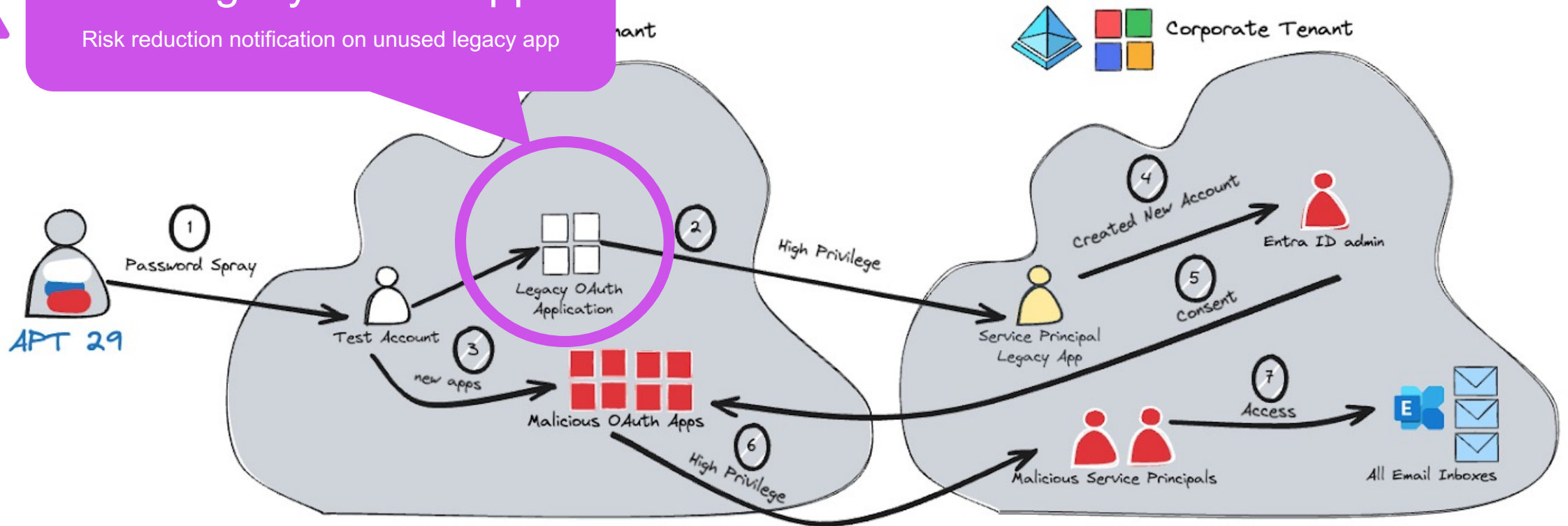


Diagram source: Cloud Security Alliance – csa.org

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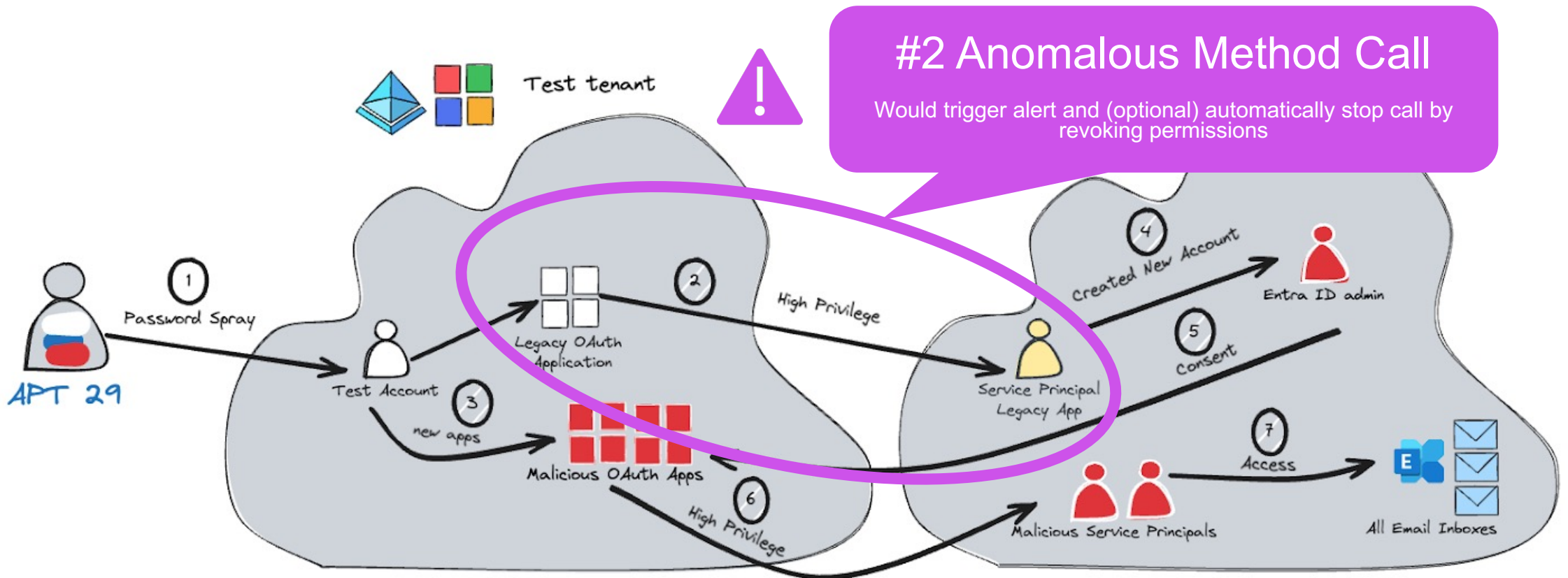


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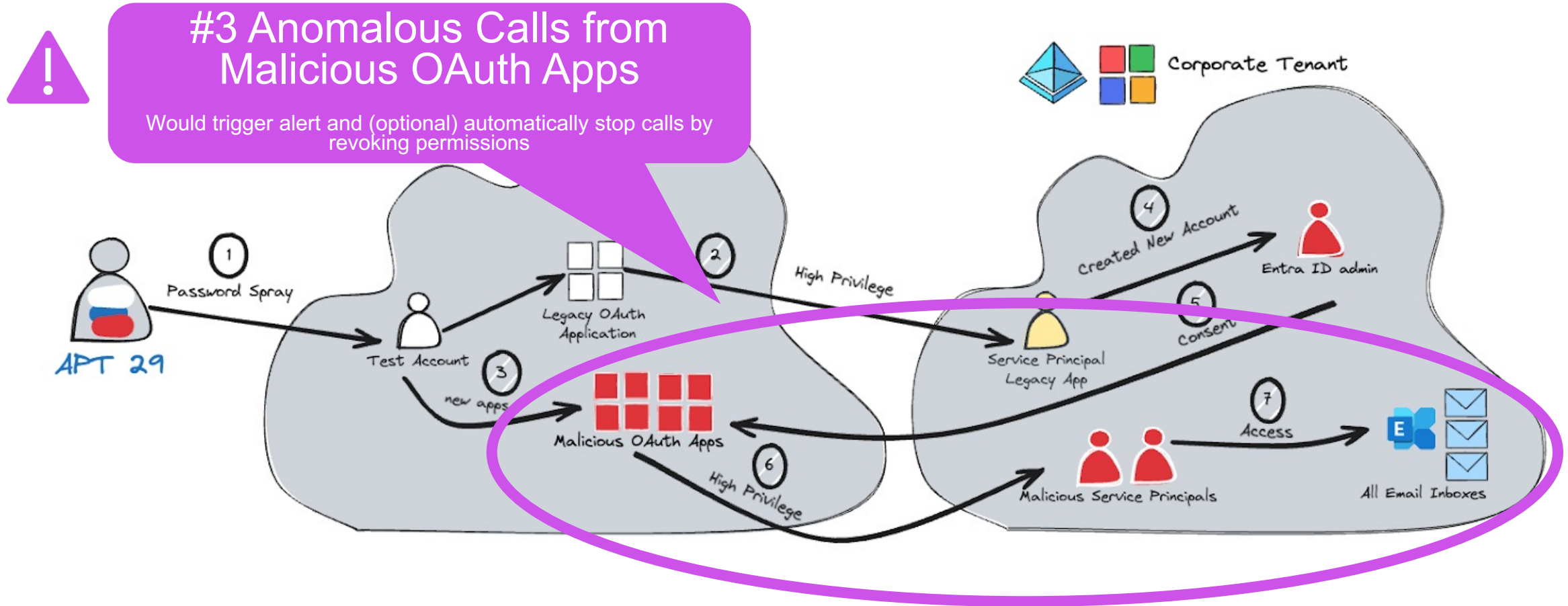


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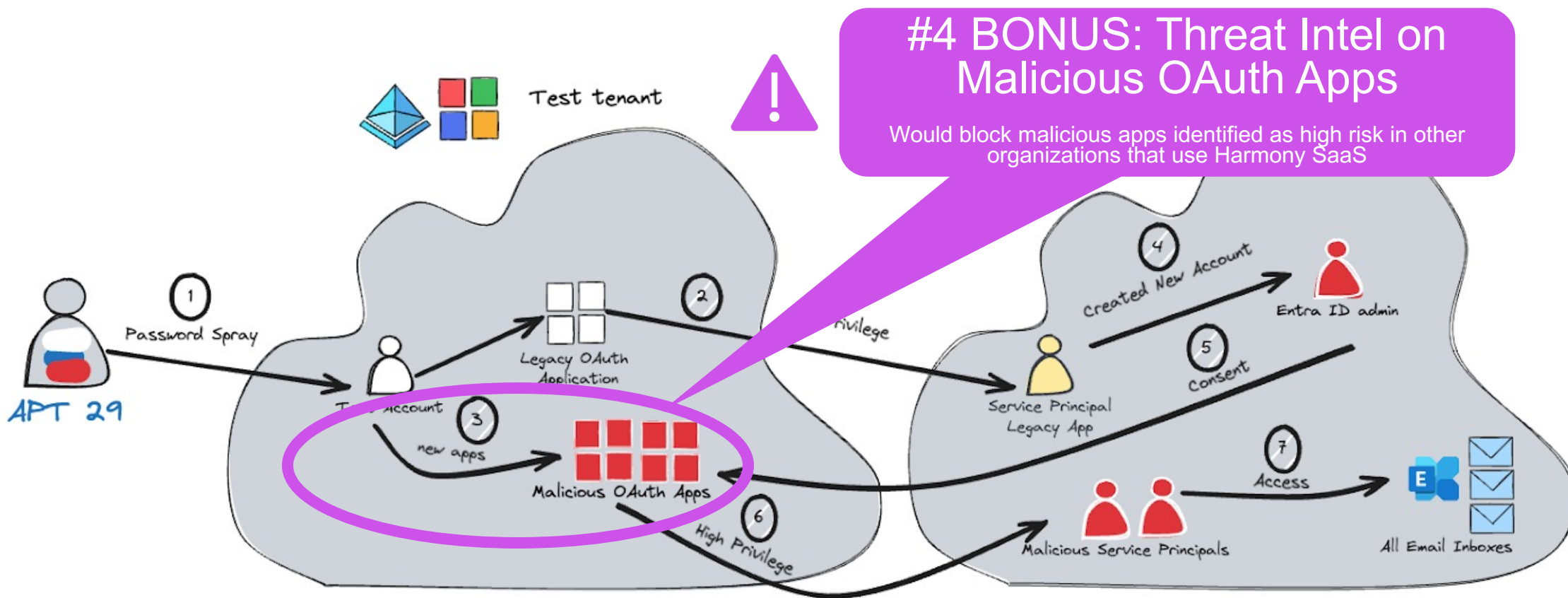


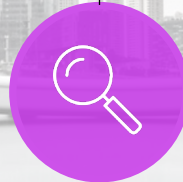
Diagram source: Cloud Security Alliance – csa.org

# Complete Visibility and Simple Remediation

Discover all your SaaS services



Identify security gaps



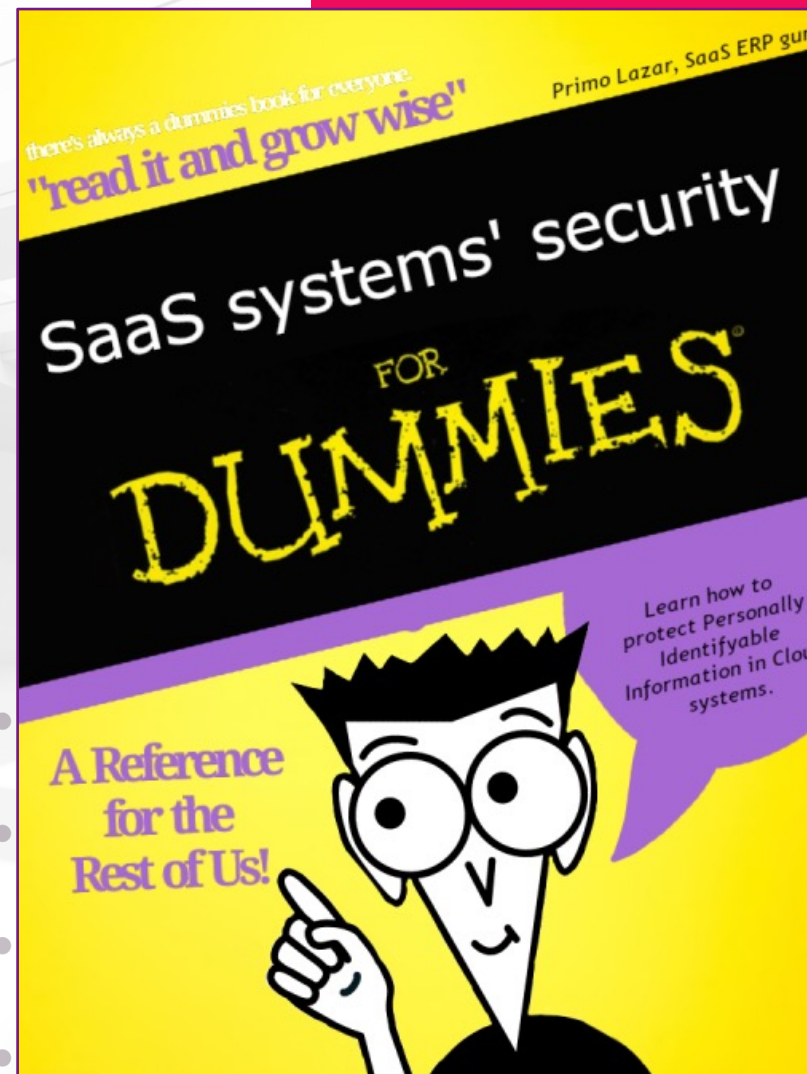
Easily maintain compliance



# Quick and Simple to Set Up

## No prior expertise needed

- Get insights in minutes
- Point-and-click remediation
- Leverage current Infinity services





# What our customers are saying



**Curtis Simpson**  
**CISO @ Armis**

“We initially deployed Harmony SaaS to remove the guesswork and uncertainty around SaaS-related risks, which had proven to be time-consuming to proactively identify and address. We were impressed by how easily and quickly risks and exposures could be identified, quantified and remediated. **The product has proven to be highly valuable and as a result, it's become part of our standard workflow.**”



# What our customers are saying

“Check Point Harmony SaaS is a central tool that helped and continues to help us discover, investigate and remediate our SaaS usage. **Instead of taking a “blanket ban” approach, it gives us more flexibility and in-depth visibility to make better informed decisions so we can continue to reduce the likelihood of shadow SaaS and associated risk.** And being true to themselves the setup is cloud native and very straightforward.”

**Cloudreach**<sup>™</sup>  
an atos company

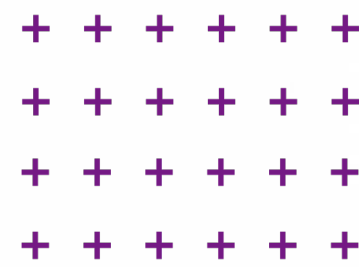


**Antoine Noel**  
**CISO @ CloudReach,**  
**an Atos company**



# Demo Time

# Summary



Automated SaaS threat prevention



Complete SaaS visibility



Keeps your environment compliant



Get started in minutes





# Available Now!

<https://checkpoint.com/harmony/saas/>



## Test Drive it Yourself

<https://pages.checkpoint.com/harmony-saas-trial.html>



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