



Security Awareness done right with MS Defender for Office

Who am I



- ▶ Frans Oudendorp
- ▶ Family
- ▶ Cycling
- ▶ (Workplace) Security
- ▶ Podcast host

- ▶ Workplace Ninjas Netherlands
- ▶ TalkingSecurity
- ▶ Security Brothers



Security Awareness

- ▶ Why
- ▶ How
- ▶ Solutions
- ▶ Defender for Office - Attack Simulation Training
- ▶ Demo, Demo, Demo
- ▶ Closing

WHY?

Phishing attacks in the news

<https://www.eccw.nl/bericht/ook-cybercriminelen-zitten-in-2023-niet-stillend>

SPEARPHISHING: GEAVANCEERDE VORM VAN PHISHING

Naast deze nieuwe methoden waarvan cybercriminelen zich bedienen, blijven ook het aloude phishing en andere manieren van social engineering een probleem. Hoewel ook phishing evolueert. In plaats van 'met een net' vissen cybercriminelen tegenwoordig vaker 'met een speer'. Bij dit zogenaamde 'spear phishing' richt men zich niet op een grote groep, maar op één individu of kleinere groep mensen met gemeenschappelijke kenmerken. Deze geavanceerde vorm van phishing kan, eventueel in combinatie met een deepfake, zo overtuigend zijn dat zelfs een

Slacht
IT- en

Gebruikers
aan het v

Security

ndom

sten. Denk hier



PEBKAC





Certifications



H O W ?

Requirements

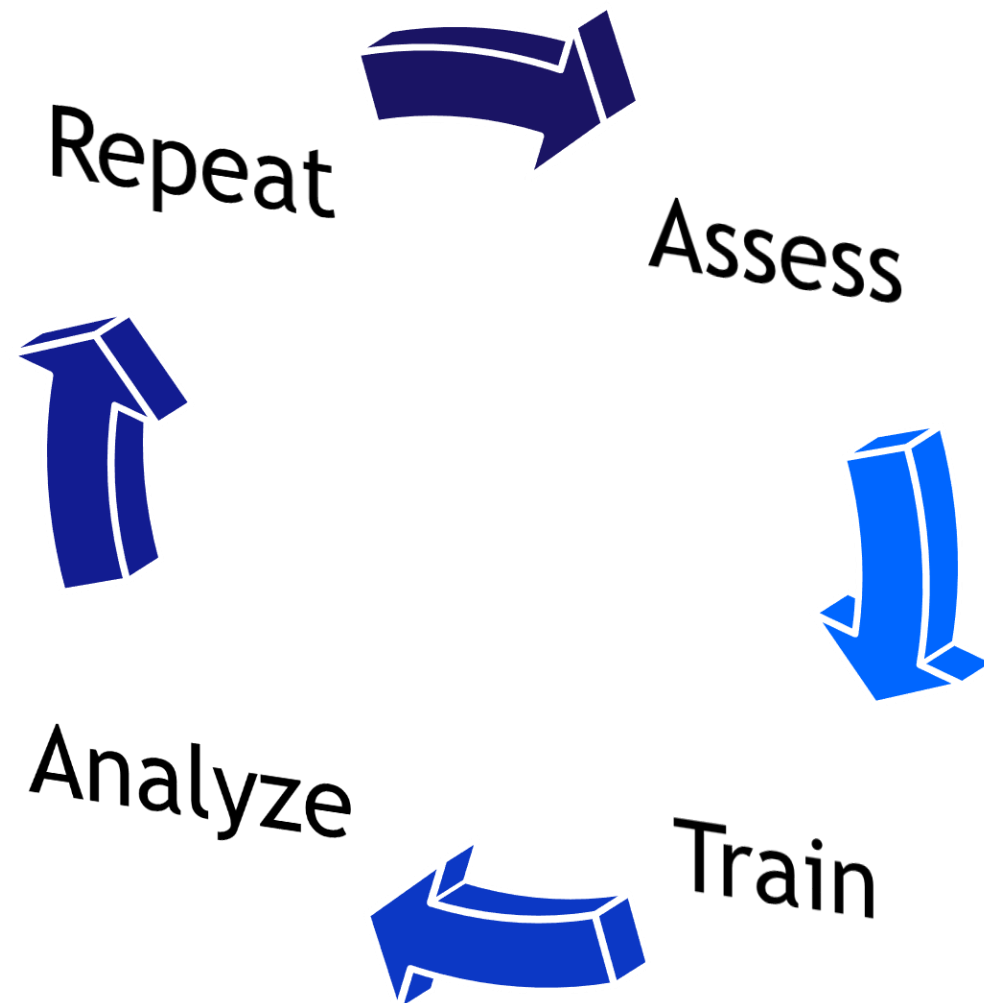
- ▶ Content library in different languages
- ▶ Add own content / Connect with own LMS (Learning Management System)
- ▶ Branding
- ▶ Simulations - Phishing, *Smishing*, *Vishing*, *Tishing*
 - ▶ Automagical
- ▶ Custom (phishing) content
- ▶ Recovery training automatically linked to simulations
- ▶ Training only possibility

Requirements

- ▶ Adoption material
- ▶ Reporting
- ▶ Gamification
- ▶ Reward system - Leaderboard, badges, certificates, etc.

Other

- ▶ Establishing stakeholder support (Management) - role model behavior
- ▶ Incorporated into process like HR, etc.
- ▶ Communicate / remember your end-users
- ▶ Organize event - Serious Game, etc.



Solutions

KnowBe4
Human error. Conquered.

OPTIV

PHISHED

SANS

proofpoint.

NINJIO

TERRANOVA
SECURITY



INFOSEC IQ

HOXHUNT

mimecast

www.oudendorp.it

Microsoft Defender
voor Office 365





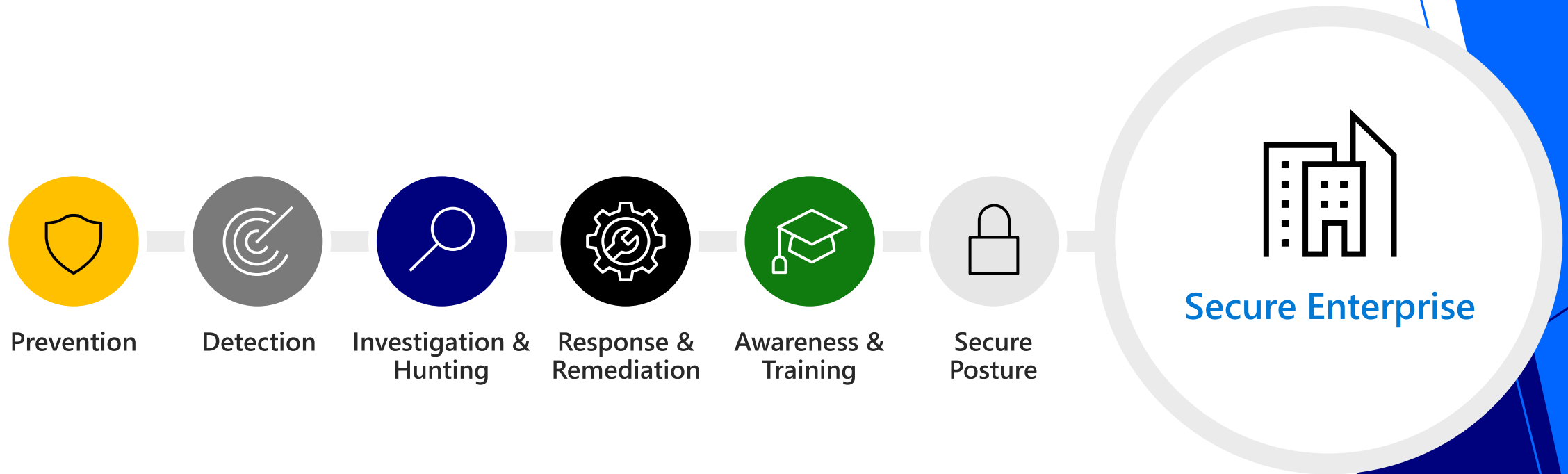
MICROSOFT PARTNERS WITH TERRANOVA SECURITY

**BRINGING THE BEST
IN SECURITY AWARENESS CONTENT
TO MICROSOFT CUSTOMERS**



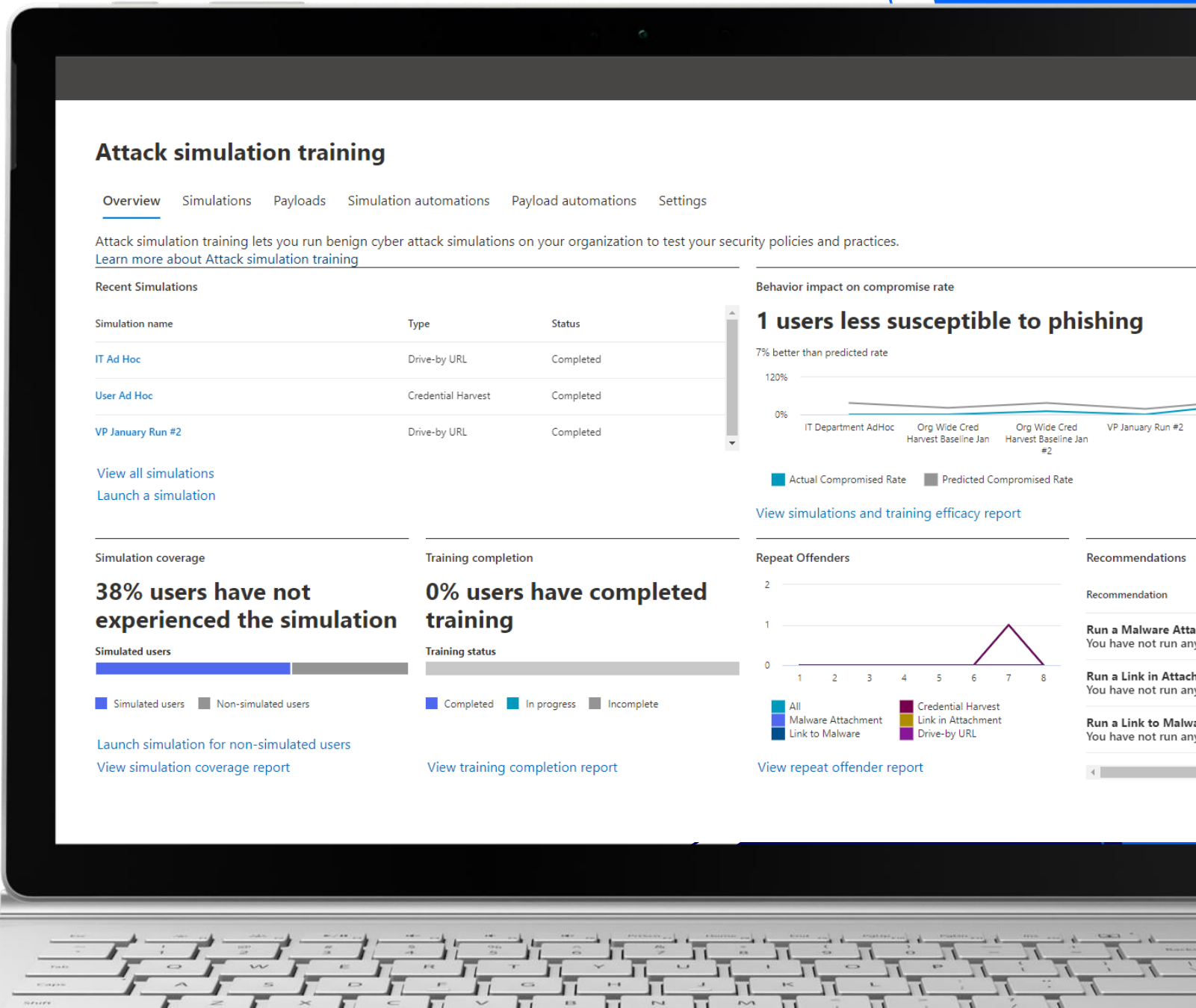
Microsoft Defender for Office 365

Securing your enterprise requires more than just prevention



MDO - AST

- ▶ Simulation Management
- ▶ Simulations - Email/Teams
- ▶ Training Only
- ▶ Content
 - ▶ Payloads
 - ▶ Login pages
 - ▶ Landing pages
 - ▶ Notifications
 - ▶ Etc.



MDO - AST

- ▶ Simulation Management
- ▶ Dynamic end user training



John, you were just **phished**.

It's okay! You're human. Let's learn from this.

Rather than stealing your login credentials like a cyber criminal, we have redirected you to this educational page instead and assigned you some training courses.

[Learn what you missed](#)

From: System Administrator <sysadmin@webaccess-alert.net>
Sent: Tuesday, September 19, 2017 2:10 PM
To: Jeff Sun
Subject: Unauthorized Web Site Access

This is an automated email

Our regulators require we monitor and restrict certain website access due to content. The filter system on your computer as one that has viewed or logged into websites hosting restricted content. The is not fool-proof, and may incorrectly flag restricted content. The IT department does not investigate every filter report, but disciplinary action may be taken.

Log into the filter system with your network credentials immediately and review your logs to see which

Grammar mistakes

Grammar and spelling errors in what is supposed to be an official email are indicative of careless phisher and should arouse suspicion.

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3 of 6

MDO - AST

- ▶ Simulation Management
- ▶ Dynamic end user training
- ▶ Detailed reporting and insights



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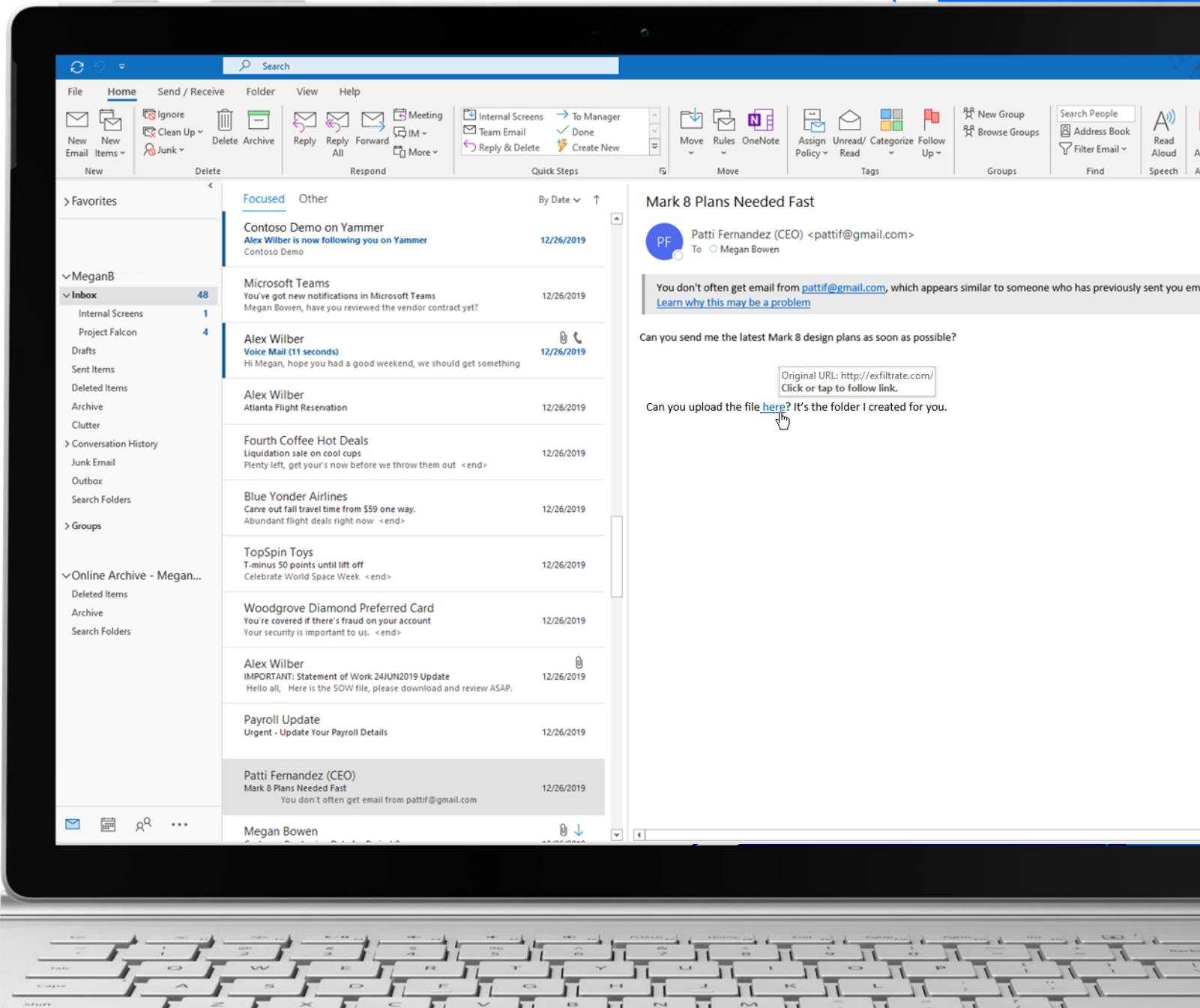
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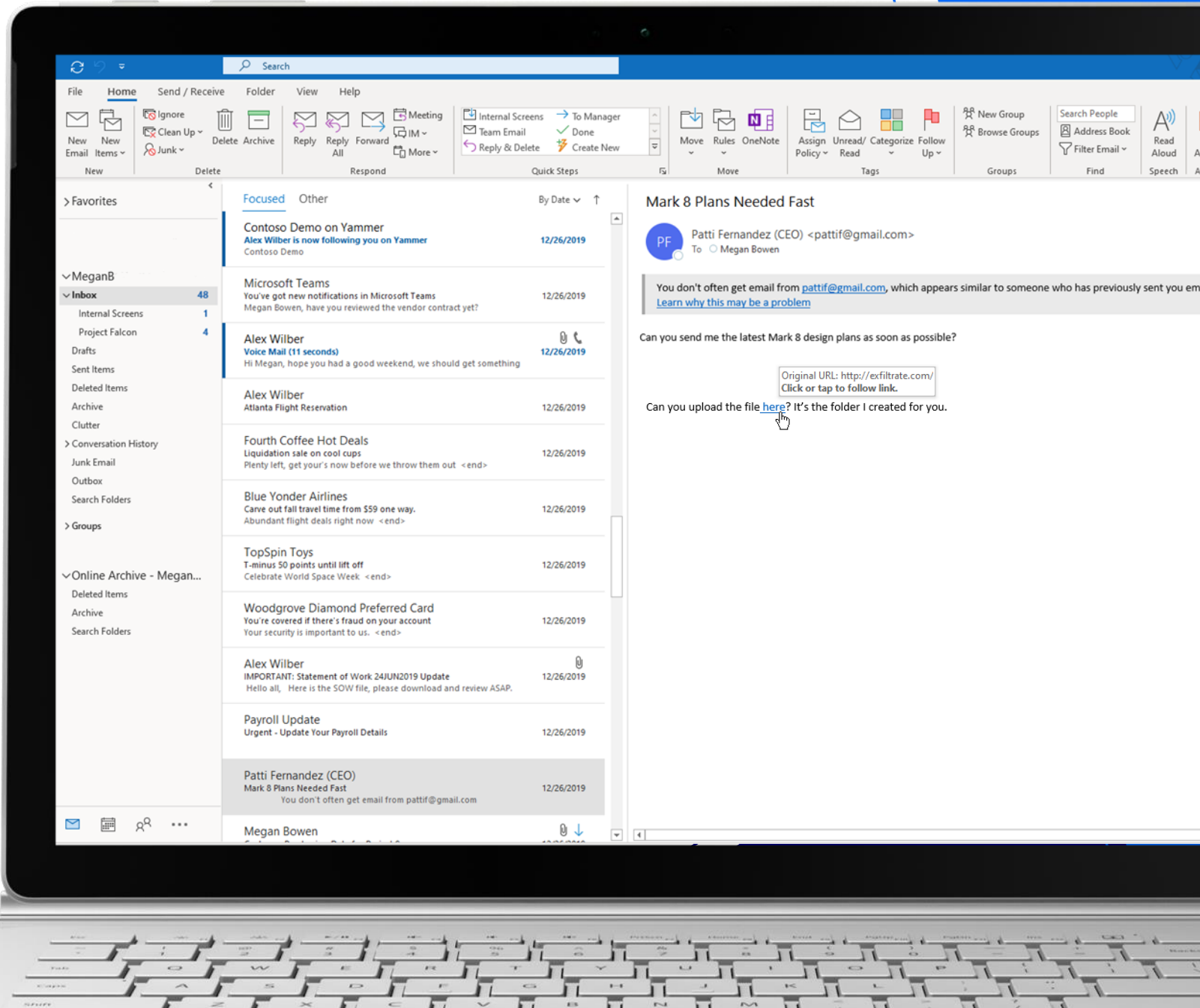
MDO - AST

- ▶ Simulation Management
- ▶ Dynamic end user training
- ▶ Detailed reporting and insights
- ▶ Native experience



MDO - AST

- ▶ Native experience
- ▶ Report Message Add-In
- ▶ Full integration with Microsoft Defender Stack
- ▶ No whitelisting
- ▶ Also for on-premises mailboxes



DEMO

- ▶ GUI - Overview
- ▶ GUI - Create simulation
- ▶ Graph - Create simulation
 - ▶ Postman
 - ▶ PowerShell
- ▶ End-user behavior
- ▶ Teams Phishing



Closing remarks

- ▶ Security Awareness is important
- ▶ Repeat, Repeat, Repeat
- ▶ Defender for Office is ready for Security Awareness
- ▶ Training only available
- ▶ Simulations - Teams is unique
- ▶ More to come



Thank You!

Resources

- ▶ Scripts GitHub - <https://github.com/microsoft/attacksimulationandtraining>
- ▶ Blog API - <https://techcommunity.microsoft.com/t5/microsoft-defender-for-office/introducing-the-release-of-attack-simulation-training-write-api/ba-p/3812297>
- ▶ Teams MDO preview - <https://learn.microsoft.com/en-us/microsoft-365/security/office-365-security/mdo-support-teams-about?view=o365-worldwide>
- ▶ User reported settings in Teams - <https://learn.microsoft.com/en-us/microsoft-365/security/office-365-security/submissions-teams?view=o365-worldwide>
- ▶ Teams Security Message - <https://learn.microsoft.com/en-us/microsoft-365/security/office-365-security/teams-message-entity-panel?view=o365-worldwide>