

**mimecast<sup>®</sup>**

**Be More Secure & Confident  
In A World Of Near Total  
Microsoft Dependency**

**Important factors for the NHS to  
consider when moving to M365**





# Max Linscott

Senior Product  
Marketing Manager

8 Years In Email Security



# J. Peter Bruzzese

- 8x awarded Microsoft MVP (Exchange/Office 365/Office Apps and Services)
- Co-Founder of ClipTraining.com and ConversationalGeek.com
- Technical author with over a dozen books sold internationally
- Technical speaker for Techmentor, Connections, MEC and TechEd/Ignite
- Journalist for MExchange.org, Redmond Magazine (and others)
- Journalist for InfoWorld (Enterprise Windows column) and Petri.com
- Instructor for Pluralsight on Exchange 2010/2013/2016/O365 courses
- Mimecast Strategic Technical Consultant and Techvangelist



# An Essential Companion To Microsoft

Gold  
Microsoft  
Partner



#1 Resilience Partner For More Than  
**20,000** Office 365 Customers

In a world of near  
**total dependency**  
**We help you**  
**solve Microsoft's**  
**intractable problem**

# Where are we now?

**NewStatesman**

## **Is the NHS safe from cyber attacks?**

As hospitals fight coronavirus, is our healthcare system more vulnerable to the demands of cyber criminals?

 ITProPortal

NHS email systems hit by 11m cyber attacks last year

**ComputerWeekly.com**

NHS hit by thousands of malicious emails at height of pandemic

**i**

**NHS cyber attack is just the latest 'ransom' hack in a worrying trend**

**The Telegraph**

NHS workers targeted by hostile states in 'malicious cyber campaigns'

**info**security  
GROUP

16 JUN 2020 NEWS

NHS: 100+ Email Accounts Hijacked in Phishing Campaign



# 100 Days of Covid...

**+26.3%**

**Spam & Opportunistic  
Detections**

**+55.8%**

**Malicious URL  
Detections**

**90%**

**Breaches attributed  
to human error**

**+35.6%**

**Malware  
Detections**

**+30.3%**

**Impersonation  
Detections**

**Pharma &  
Healthcare**

**Top targeted  
industries**

# A Pretty Untenable Situation...



**Load & Expectation on  
Healthcare globally**



**Resource and budget  
for cyber & digital**



**Healthcare as critical  
national infrastructure**



**Ransomware &  
malicious activity**



**Legislation & governance  
criteria to meet**



**Adoption & dependence  
on technology**

# Download the report for more...





# Finally Some Good News!



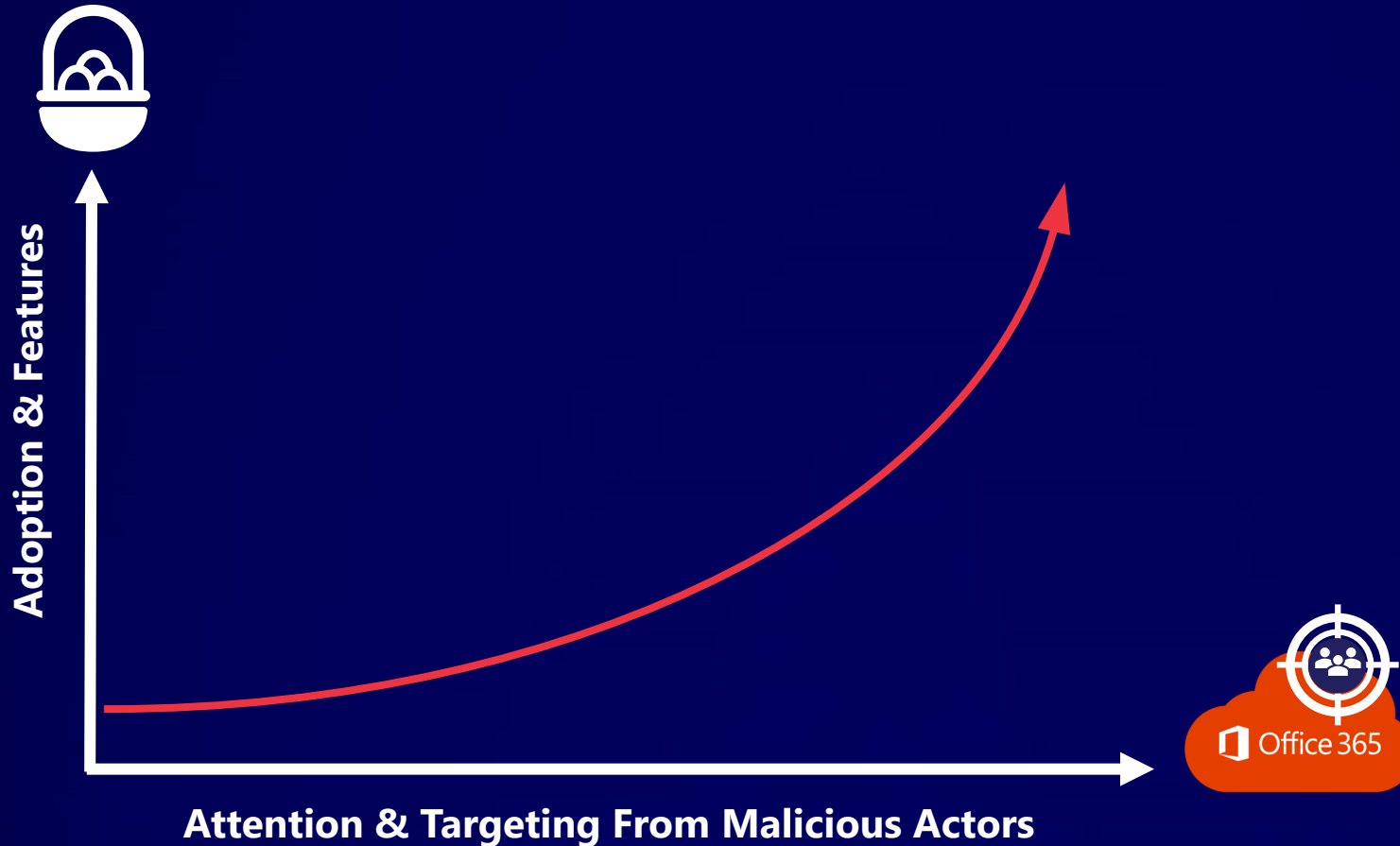
# Microsoft 365 is Part Of The Landscape



**Microsoft has developed the greatest business productivity toolkit in the history of mankind**

# A problem Microsoft cannot fix

Homogeneity leaves you vulnerable



**Attack Surface**



**Increased Incentive**



**Dependence on Single Vendor**



**Impact & Risk of Breach**



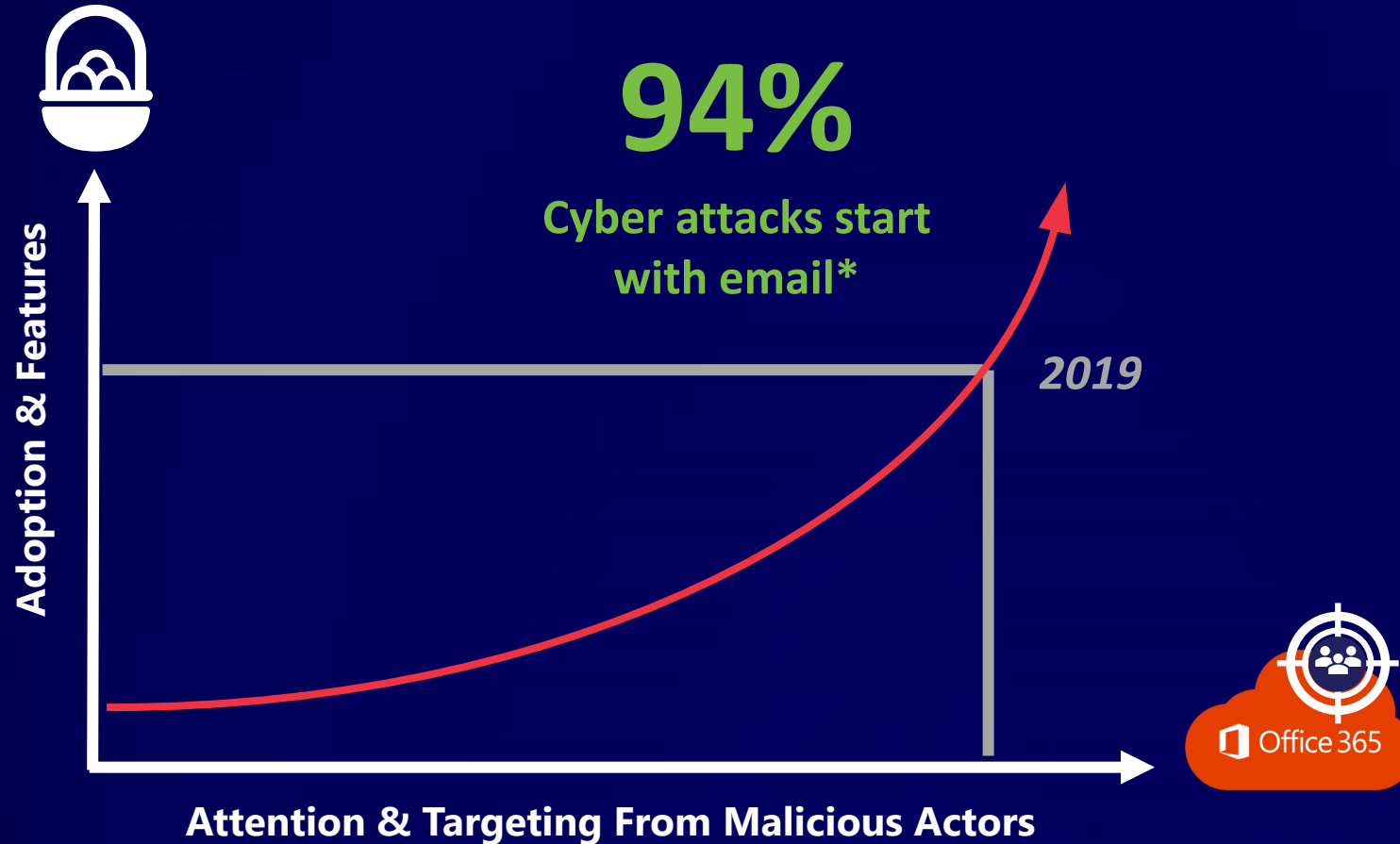
**Attention From Cyber Criminals**



**Purpose Built Attacks**

# A problem Microsoft cannot fix

Homogeneity leaves you vulnerable



**220 Million**

Business Users & More  
Security Features

**Microsoft #1**

Spoofer Brand\*\*

# You've seen it, we've seen it, hackers see it...



# Mimecast Email Risk Assessment (ESRA)

*Mimecast Email Risk Assessment finds email security issues not identified by Office 365 overall at 15.6 % and Office 365 with ATP at 25.9%\**



# Email Needs More...

## SE Labs Efficacy Test | 2020

**mimecast**  
SEG & TTP



**Microsoft**  
Both E3 & E5



**Gartner**

*Gartner clients report dissatisfaction with natively available email security capabilities in Microsoft\**



*Cybercriminals keep producing new ways to bypass Microsoft protection systems, including ATP and Safe Links.\*\**

Email Advanced Threat Defense (ATD-Email) Test Report



### Effectiveness Details

100%



Mimecast Email Security with Targeted Threat Protection was 100% effective at blocking malicious threats in email during the Q2 2020 test cycle

**93% of Customers See Significant Security Improvements Versus Office 365 Alone \*\*\***

Using Mimecast with Office 365 significantly improves our defenses against spam and email-borne threats versus using Office 365 alone.

# M365 The Intractable Email Security Problem



Email is the most essential & universal business tool, it is the most utilized part of M365

Unsurprisingly, email remains the #1 attack vector  
**94% of attacks start with email**

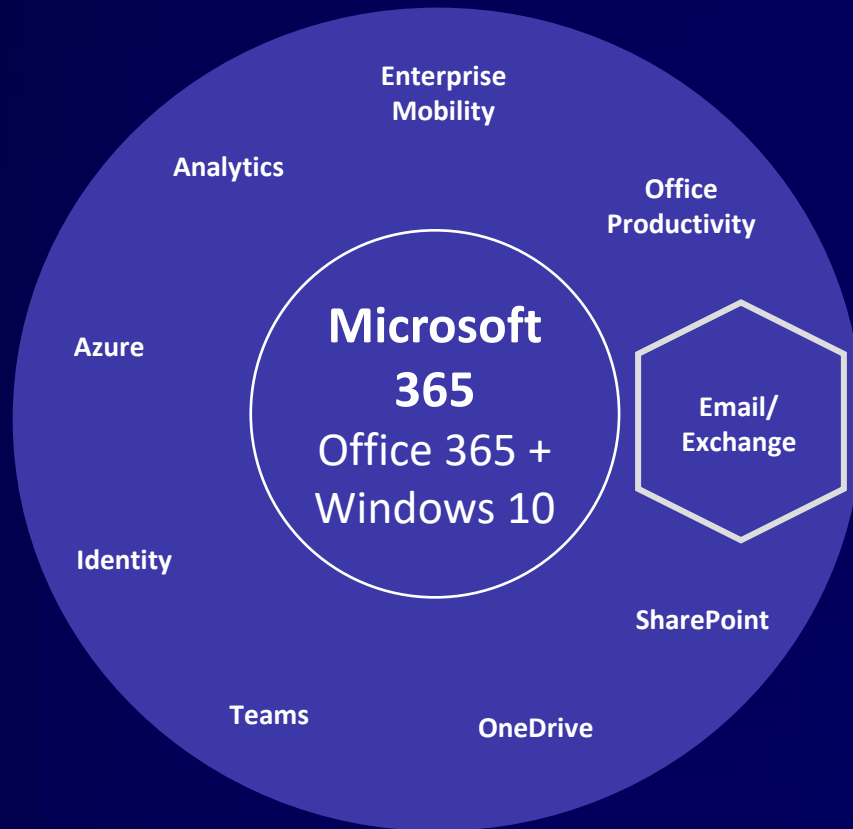
Microsoft 365's adoption success makes  
**M365 customers the #1 target for cyber criminals**

Despite Microsoft's improved security,  
**cyber criminals are proving themselves up to the challenge by continuing to leverage email**

**It is unrealistic for Microsoft to face this alone**  
**We are here, to beat the bad guys together**



# Even Microsoft Doesn't Stand A Chance



**\$1.7B**

Estimated  
BEC losses  
2019\*

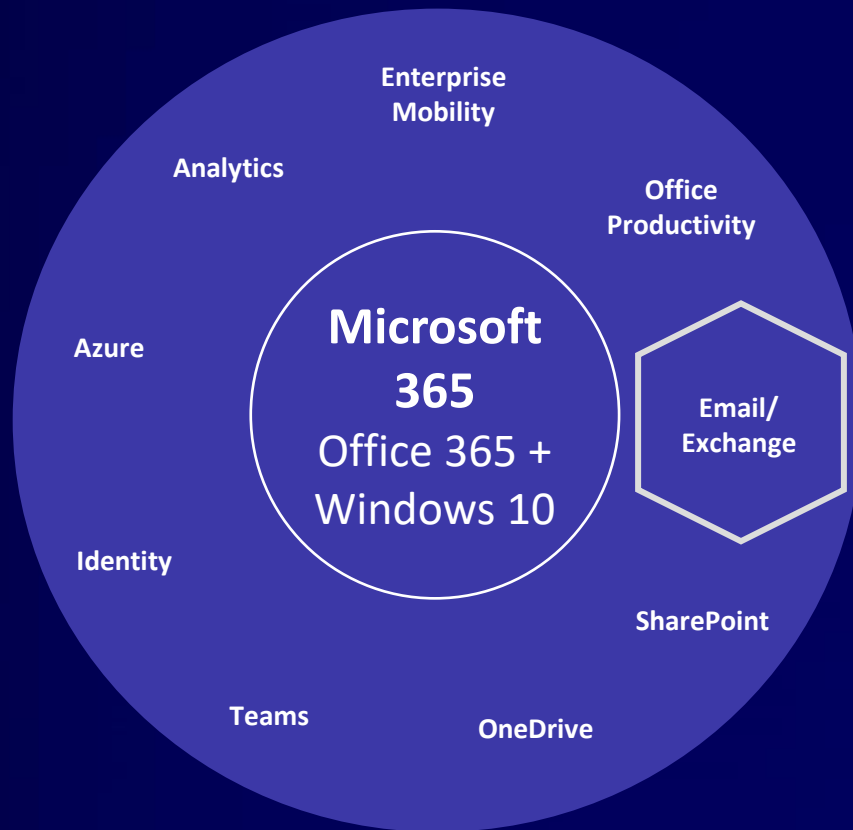
Email  
Remains The  
Most  
Popular  
Attack Vector

**222**

Unique O365  
Phishing URLs  
Daily\*\*

Malicious  
Actors Love  
Targeting  
Microsoft  
Customers

# ..And It's Not Just At The Perimeter Anymore



**90%**

Threats & Data Leaks Are Caused By Careless Employees\*

**71%**

Organizations Report Malicious Activity Spread Between Users By Email\*\*

**88%**

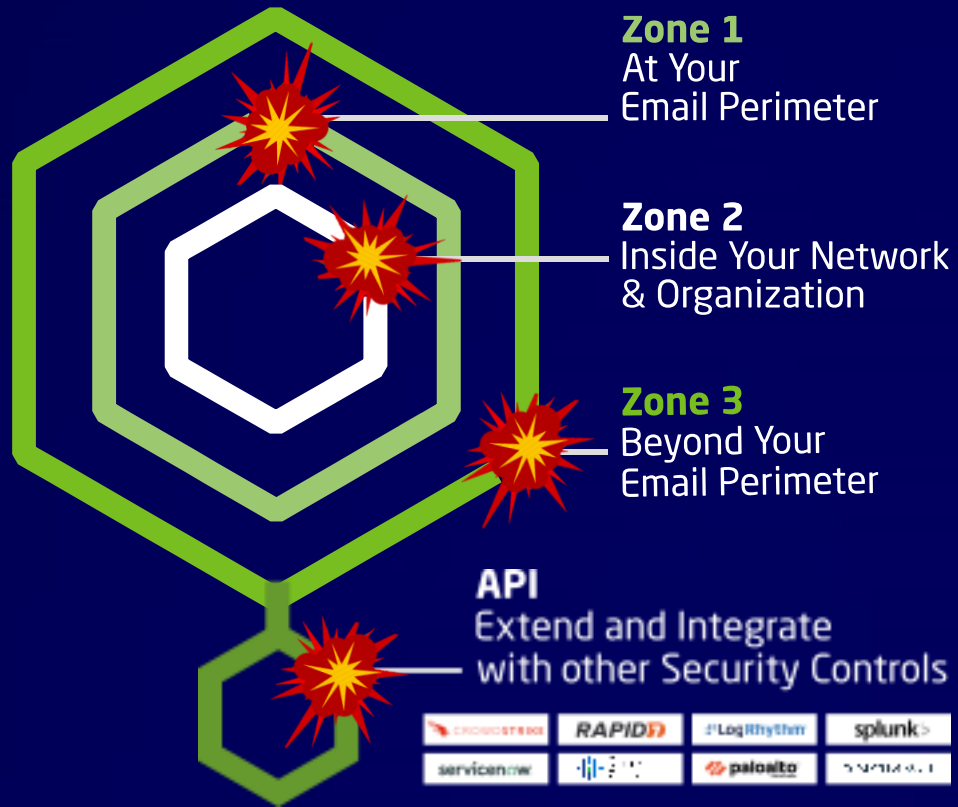
Enterprises Experienced Spoofing Of Business Partners Or Vendors\*\*

**Attacks Within Your Network**

**Attacks On Your Brand**

# Let's talk about the ways you are vulnerable

A multiplicity of attack vectors



- Spam
- Targeted Attacks

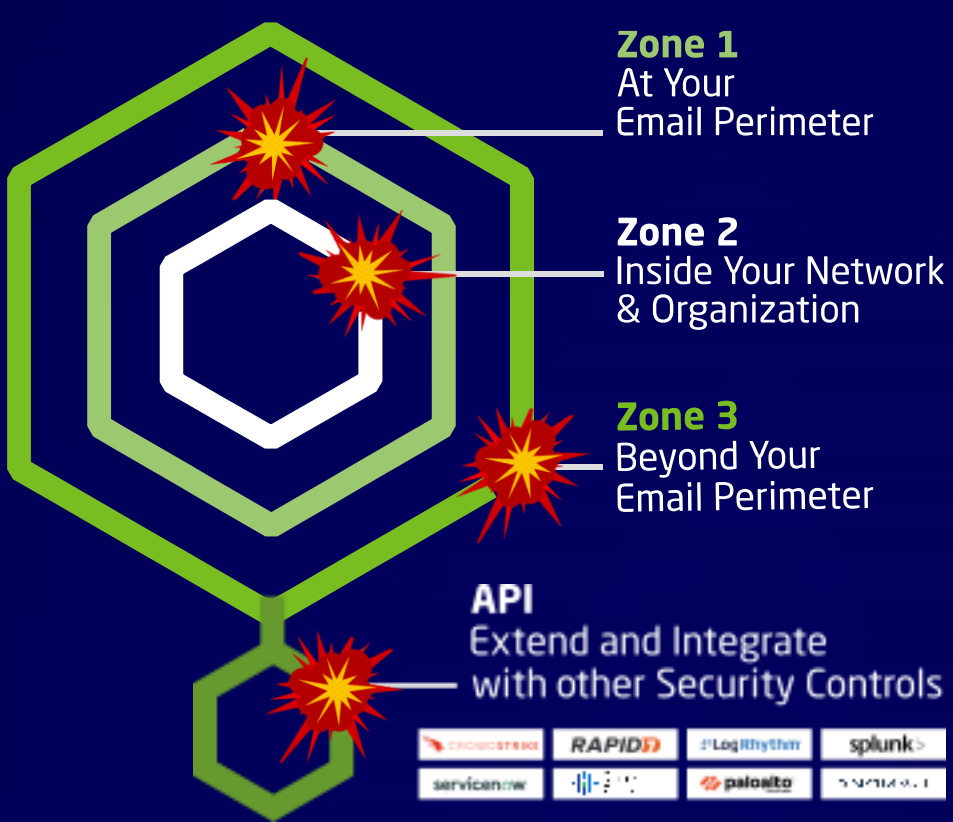
- Human Error
- Internal Compromise
- Lateral Spread

- Brand Exploits
- Email Domain Spoofing

- Not Integrated
- Not Automated

# And how we address those attack vectors

## Mimecast Email Security 3.0 – A pervasive protection strategy



- Secure Email Gateway
- Targeted Threat Protection

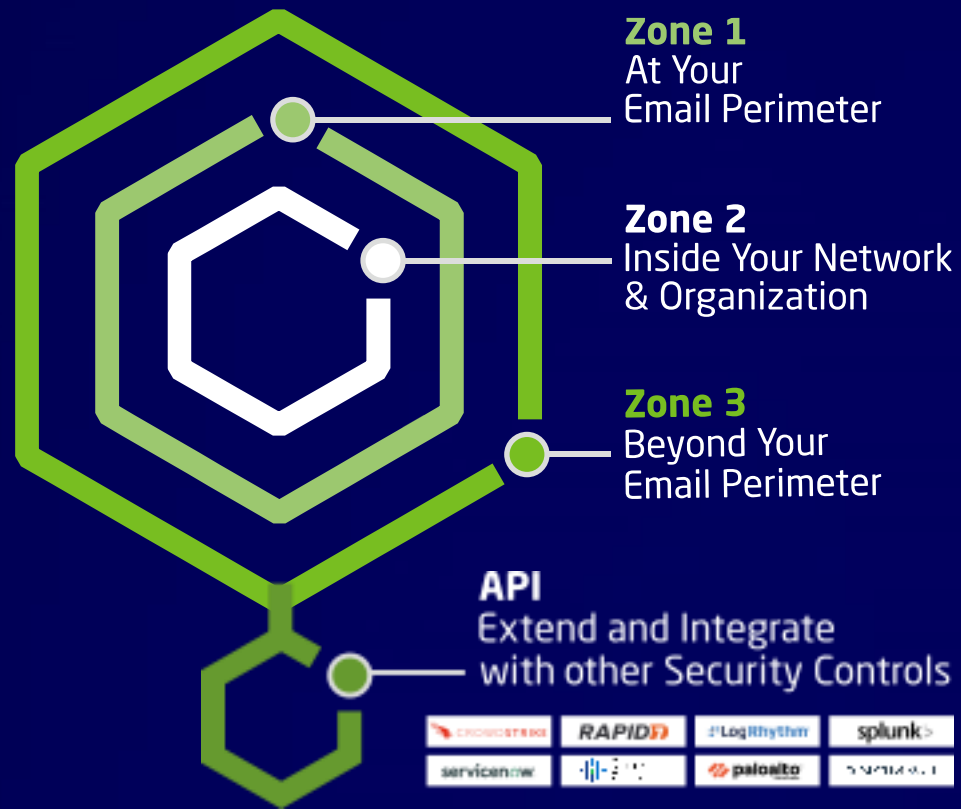
- Internal Email Protect
- Awareness Training

- DMARC Analyzer
- Brand Exploit Protect

- APIs Ecosystem

# And what you don't get with Microsoft

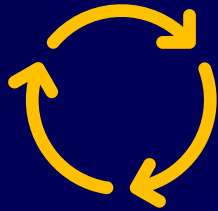
## The Mimecast edge



- Static file Analysis
- Full Emulation Sandbox
- Real-Time URL Analysis
- Browser Isolation
- Unlimited Policy Granularity
- Awareness Training
- MessageControl
- Advanced Outbound Protection
- Brand Exploit Protect
- DMARC Analyzer
- Threat Labs & Vulnerability Research
- Embedded in the Ecosystem
- Enabling Custom Integrations
- Vendor Agnostic

# More than email security. It's cyber resilience.

What's your resilience strategy?



## Total Dependency On A Single Provider

What happens if my data is corrupted or lost?

What happens when my email is unavailable?



## Web Threats & Shadow IT

How do I keep my employees from visiting dangerous sites?

How do I stop threats before they even reach my endpoint?



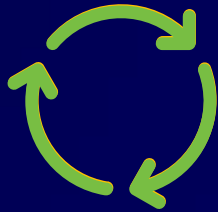
## Legal & Compliance Risks

Can I deliver rapid and accurate eDiscovery?

Is my critical data independent and immutable?

# More than email security. It's cyber resilience.

What's your resilience strategy?



## Resilience & Recovery

Independent continuity

Compliant & secure  
cloud to cloud back-up

Independent post compromise  
mitigation & recovery

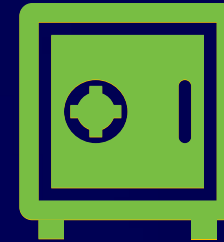


## Web Threats & Shadow It

Stop threats before they  
reach the network

Total visibility into all web  
activity and cloud app use

Consistent protection across  
email & web security



## Compliance & Data Protection

Independent and  
immutable data storage

Accurate, consistent and  
rapid search results

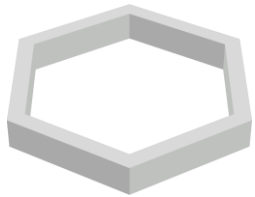
Retention management &  
advanced e-discovery

# Born in the cloud

Cloud-native cyber resilience platform

**mime | os™**

*Antivirus  
Antispam*



**AT THE PERIMETER**

**2003**

**mime | os™**

*Advanced Targeted Attacks  
Phishing & Security Training*

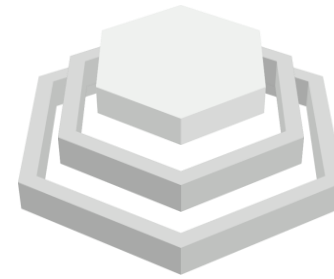


**INSIDE THE NETWORK**

**2014 - 2018**

**mime | os™**

*Brand Protection &  
Domain Analysis*

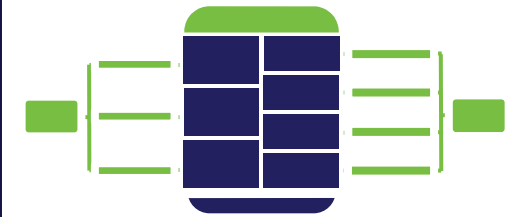


**BEYOND THE PERIMETER**

**2019**

**mime | os™**

*Category-Defining  
Cyber Resilience Platform*



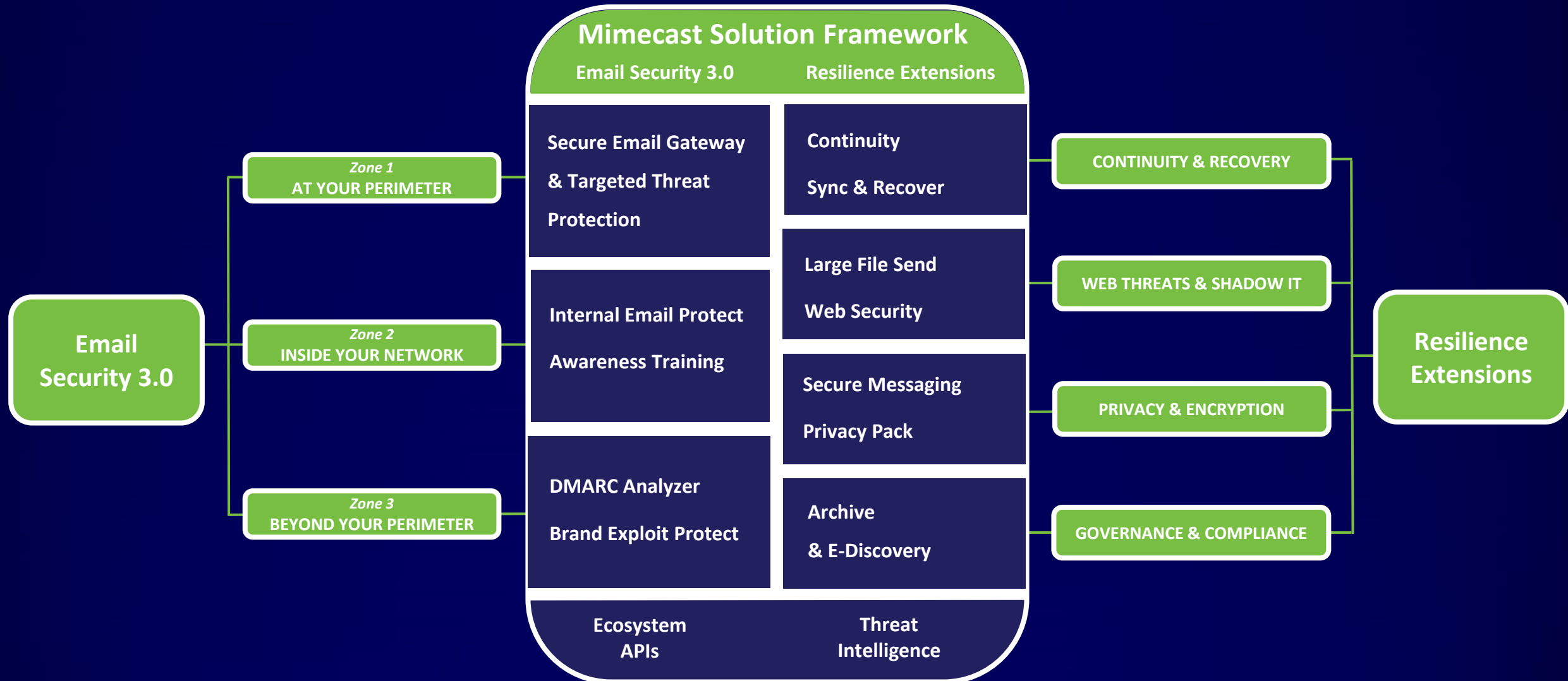
**ORCHESTRATED RESILIENCE**

**2020**



# Mimecast Solution Framework

Relentless Protection. Resilient World.



# STAY RESILIENT IN YOUR NEW CLOUD



**#1 Resilience  
Partner For More  
Than **20,000** Office  
365 Customers**



## **Mimecast in the Public Sector**

- **300+** Public Sector Customers
- **500,000+** Public Sector Users



## **Local Presence & Data Sovereignty**

- UK Data Centers
- UK Support
- UK Account Management
- UK Engineering

**Protect your email with industry leading security**

**Deploy a “second lock to pick” for threat actors**

**Train your employees to strengthen your human firewall**

**Protect your brand and domain beyond your perimeter**

**Integrate rich threat intelligence into your security ecosystem**

**Keep email flowing even when Microsoft is down**

**Automate independent post compromise mitigation**

**Make email compliance fast & easy**

**Extend protection with web security & shared intelligence**

# OXFORD HEALTH NHS FOUNDATION TRUST

After migrating to Office 365, Oxford Health NHS Foundation Trust is now using Mimecast's Targeted Threat Protection features to safeguard against cyber attacks targeting its 8,000 staff via their email as an entry point to the organisation.

*"We had been manually intervening to protect the organisation from these attacks but the move to Office 365 provided the perfect opportunity to add a further layer of automated security to operations. We were able to use most out of the box settings and have subsequently customized protection, allowing for problematic messages and senders to be dealt with without needing to compromise global security settings.*

*It's time saved that gives our users more time to spend on supporting or delivering our organisation's primary mission - providing care for patients."*

**- Colin Ingham, Server and Systems Consultant, Oxford Health NHS Foundation Trust**

# mimecast™

Relentless protection. Resilient world.™

**THANK YOU**