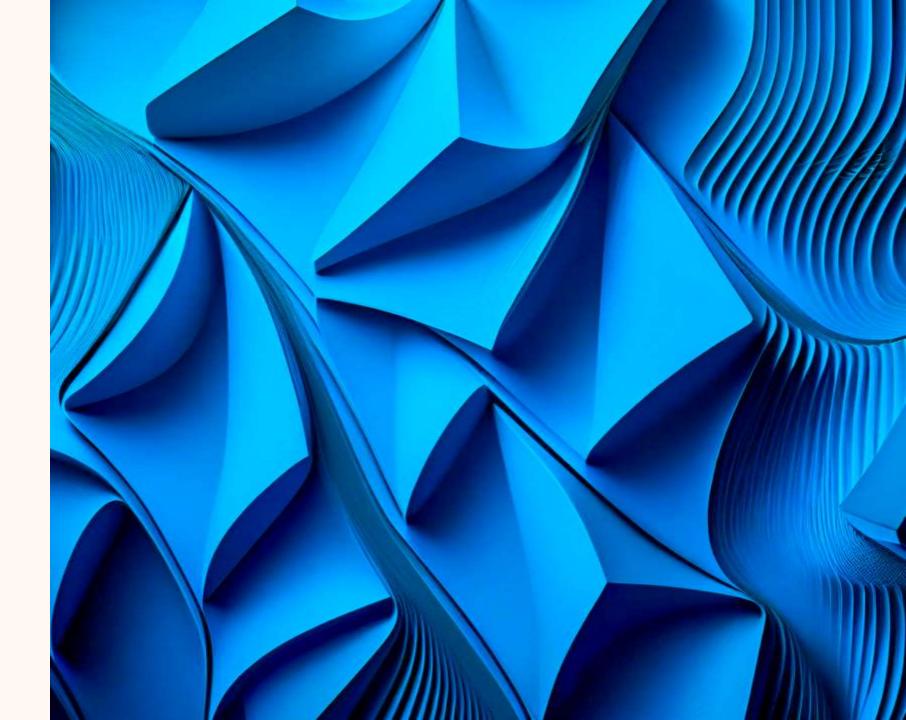


# Infinigate Microsoft

Securing the future together



May 2024
Wouter de Blank – GTM Cybersecurity
Microsoft



#### The Security Landscape is Tumultuous

Cybersecurity

Hackers Breached Colonial Pipeline Using Compromised Password Russian SolarWinds hackers launch email attack on government agencies

Microsoft says group targeted more than 150 American and foreign organisations using USAid account

EDITORS (FICK.) Feb. N. 2028, 1041am EST. | 7,753 views

Estee Lauder Database Exposed; Customer Data Not Involved White-Hat-Hacker finden beim Spital Thun kritische Lücken

Von Reto Vogt, 14. März 2024 um 08:45

Auch beide Basel von Hackerangriff auf Software-Anbieter betroffen

TECH

Microsoft's big email hack: What happened, who did it, and why it matters

PUBLISHED THE, MAR 9 2021-9-30 PM EST : HPDATED THE, MAR 9 2021-9-12 PM EST

Daten der Stadt Baden von Hackern im Darknet veröffentlicht

FireEye, one of the world's largest security firms, discloses security breach

FireEye suspects it was the victim of a nation-state hacking group.

Auch beide Basel von Hackerangriff auf Software-Anbieter betroffen

Auch Stadt Luzern von Hackerangriff auf Software-Anbieter betroffen

Jedes neunte Ransomware-Opfer bezahlt Lösegeld 23 Millionen Cyber-Angriffe auf die Stadt Bern in einem Jahr

#### The State of Cybercrime: key developments

80-90%

of all successful ransomware compromises originate through unmanaged devices.

A return on mitigation (ROM)

**framework** is helpful for prioritization and may highlight actions requiring low effort or resources but that have a high impact.

70%

of organizations encountering humanoperated ransomware had fewer than 500 employees.



Human-operated ransomware attacks are up more than 200%



Password based attacks spiked in

2023

#### Last year marked a **significant shift** in cybercriminal tactics

With threat actors exploiting cloud computing resources such as virtual machines to launch DDoS attacks. When hundreds of millions of requests per second originating from tens of thousands of devices constitute an attack, the cloud is out best defense, due to the scale needed to mitigate the largest attacks

Spearphishing for hire

takeover)

\$100 to \$1,000 (per successful account

Organizations today face an industrialized attacker economy

**Ransomware Kits** 

\$66 upfront (or 30% of the profit / affiliate model)

**Stolen Passwords** 

\$0.97 per 1,000 (average) (Bulk: \$150 for 400M)

**Denial of Service** 

\$766.67 per month

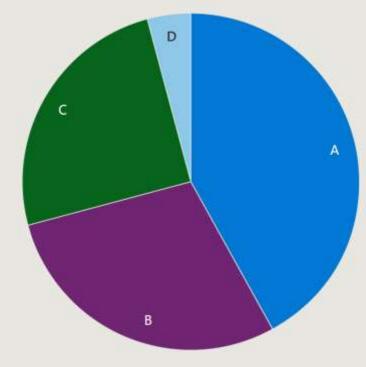
**Compromised PCs / Devices** PC: \$0.13 to \$0.89

Attacker for hire (per job) \$250 per job (and up) Mobile: \$0.82 to \$2.78

# What we're seeing in attack notifications

- > Successful identity attacks
- Ransomware encounters
- Targeted phishing attempts leading to device or user compromise
- > Business email compromise

### Distribution of top four attack progression notifications



- A 42% Successful identity attacks
- 25% Successful targeted phishing attempts
- B 29% Ransomware encounters
- 4% Business email compromise (BEC)

Telemetry sources: Microsoft Defender for Endpoint, Microsoft Defender for Cloud Apps, Microsoft Defender for Identity, Microsoft Defender for Office 365, Azure AD Identity Protection, Microsoft Defender Threat Intelligence



#### Microsoft Security How modern phishing emails hide in plain sight



Hello finance,

Your password for finance@victimdomain.com expires today 11/09/2023, 21:35:15 AM

You can change your password or keep the current ony be using the link below

Keep Current Password

Please note: this link expires in 24 hours. Please review security requirements within 24 hours to avoid interruption.

Microsoft. All rights reserved. (c) 2023



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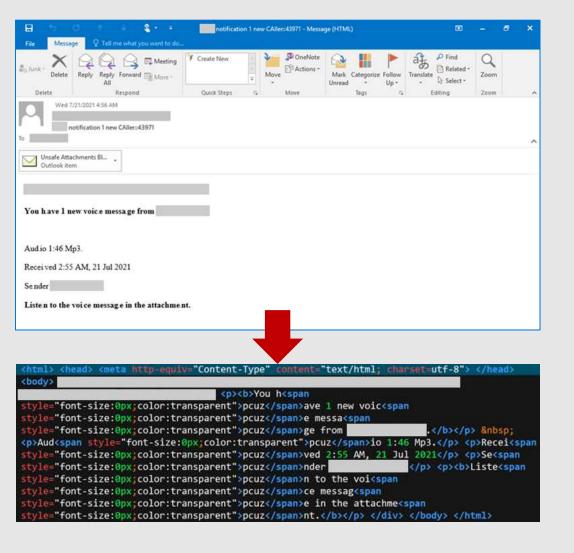
Microsoft. All rights reserved. (c) 2023

Increasing complexity to detect

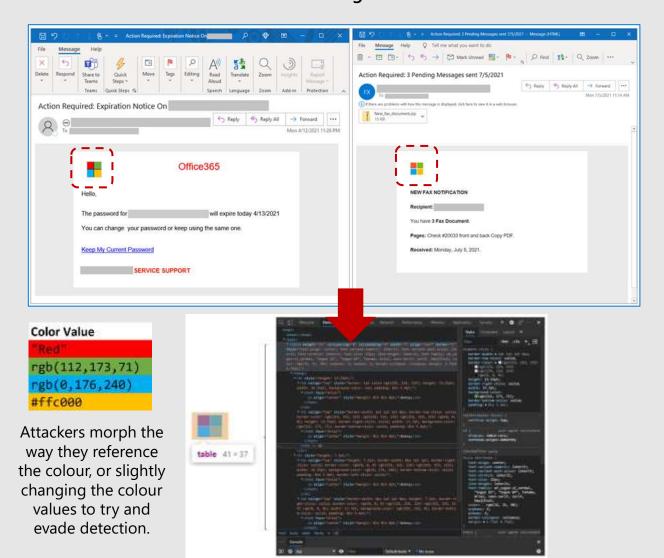


#### Microsoft Security How modern phishing emails hide in plain sight

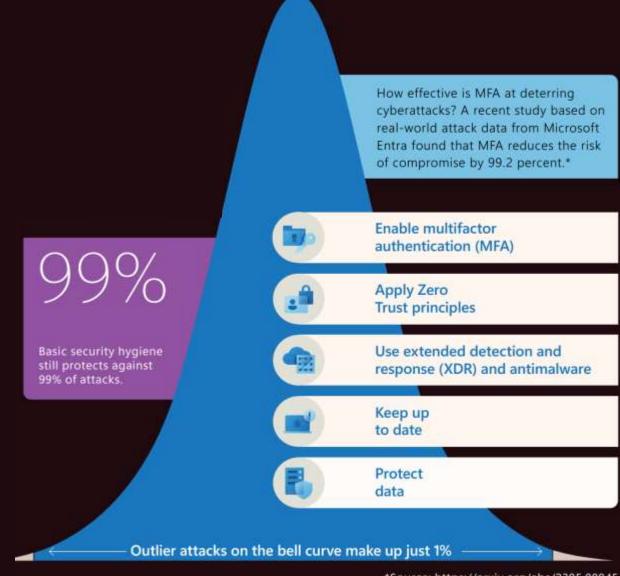
Hidden, zero-width letters added to break up keywords that might otherwise have been caught by a basic content filter.

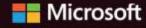


Attackers using HTML tables to imitate the logos and branding of trusted organizations.



How can we protect against 99% of attacks?







"Security is our top priority and we are committed to working with others across the industry to protect our customers."

Satya Nadella, Chief Executive Officer, Microsoft Corporation



# Three key lessons

#### Innovation



We need to use the latest innovations, such as Al, to supercharge our cyber defense.

#### **Partnerships**



We need to work together with all stakeholders – be they public or private.

#### Skills



According to LinkedIn data, EU cyber skills demand is up by 22%. A clear skills gap is here.

Help us be more secure

Assessing your current security landscape, reviewing architecture and capabilities to recommend future state solutions

2 Lower our TCO

3

A safe and rapid migration

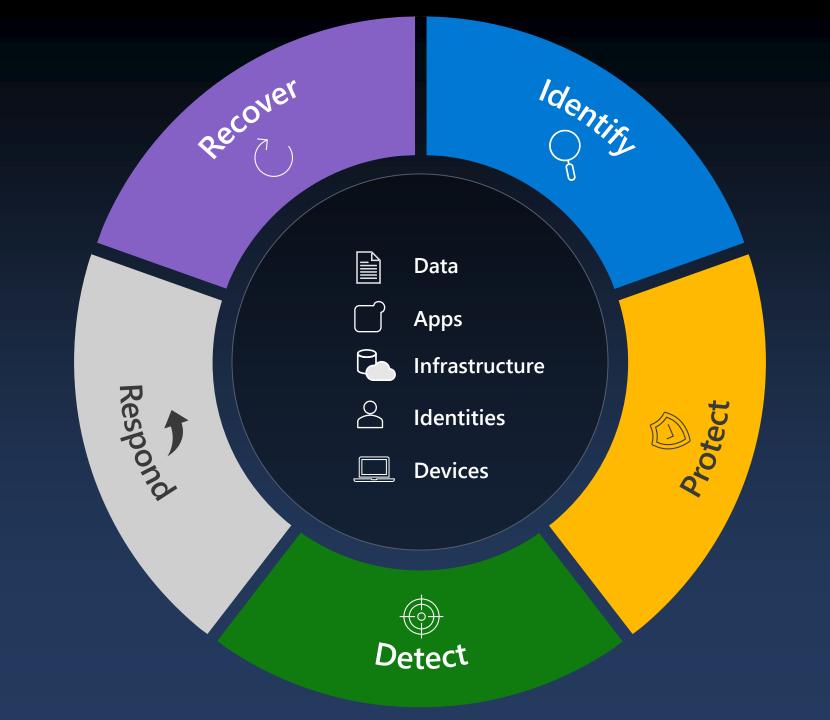
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# The Microsoft advantage



Large-scale data and threat intelligence

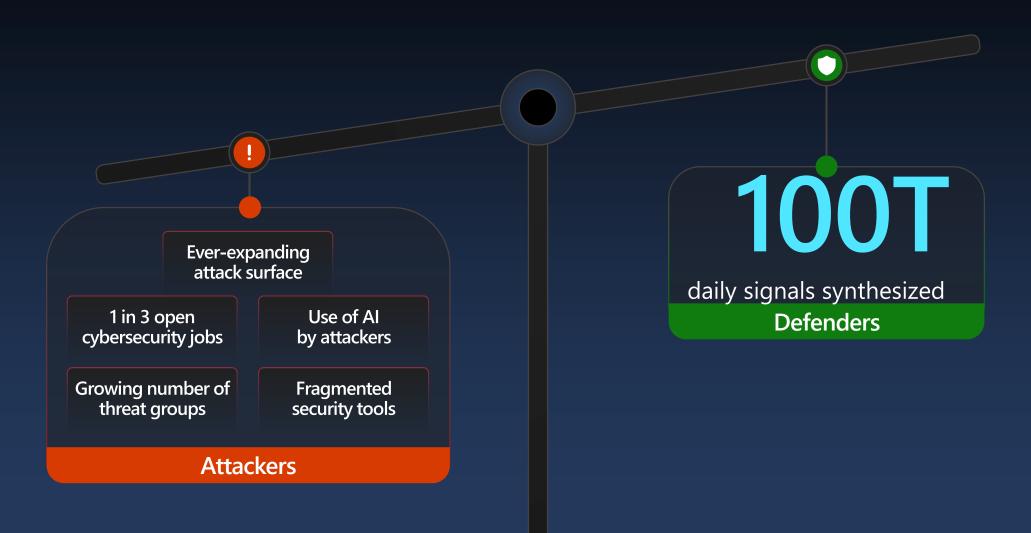


Most complete, integrated, end-to-end protection



Industry-leading responsible and secure Al

# Attackers have an asymmetric advantage



# Microsoft tips the scale in favor of defenders



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#### **Simplify Vendor** Management

Consolidate security with Microsoft's cost-effective solution

Replace up to

**Products Categories** 

built in Cloud Security Posture Management with Microsoft Defender for Cloud

Up to

savings with Microsoft 365 E5 Security and Microsoft 365 E5 Compliance<sup>1</sup>

#### **Savings on Automation** & Process Improvements

Safeguard your multi-cloud resources and provide your organization with secure access for a connected world

reduced risk of material breach 60%

less time to investigate threats

less time responding to threats with Microsoft Sentinel, Microsoft 365 Defender, and Microsoft Defender for Cloud<sup>1</sup>

reduction in noise, elevating the most critical issues with Microsoft Sentinel<sup>4</sup>

less time spent monitoring potential suspicious activity with Microsoft Purview<sup>3</sup>

million additional end user productivity from automation and process improvements in Microsoft 365 Defender<sup>2</sup>

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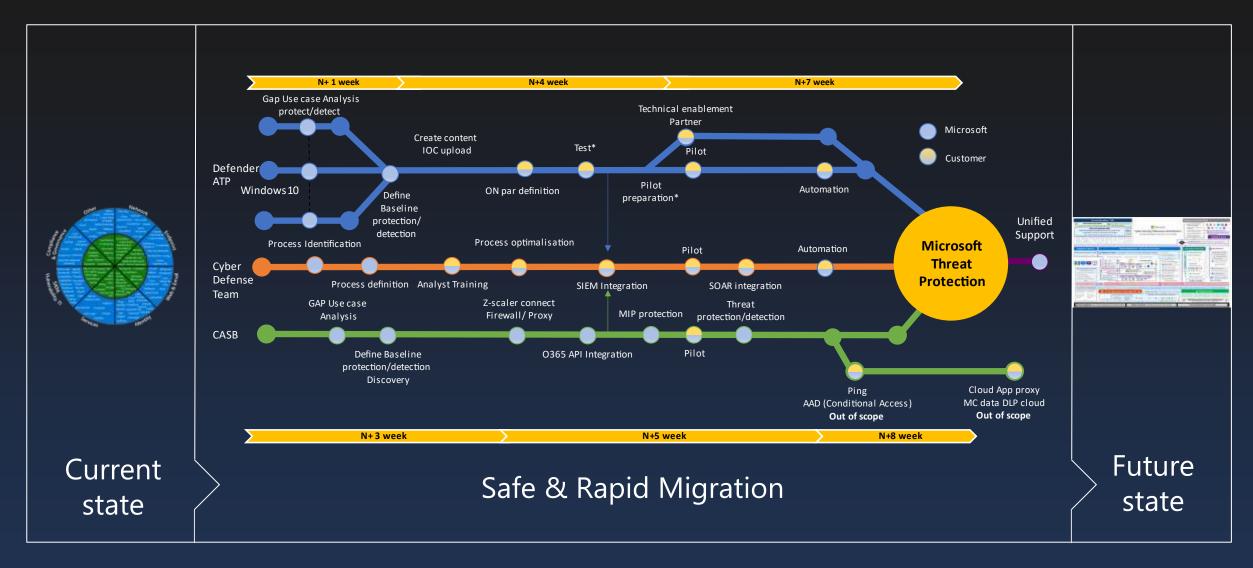
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#### **Current state**

...how customers solve it today







Help us be more secure

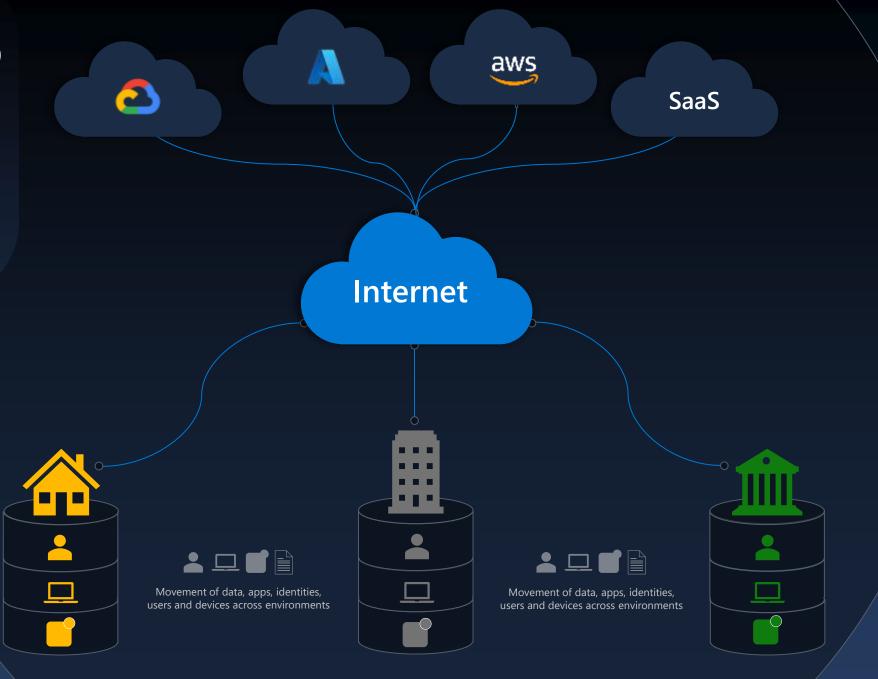
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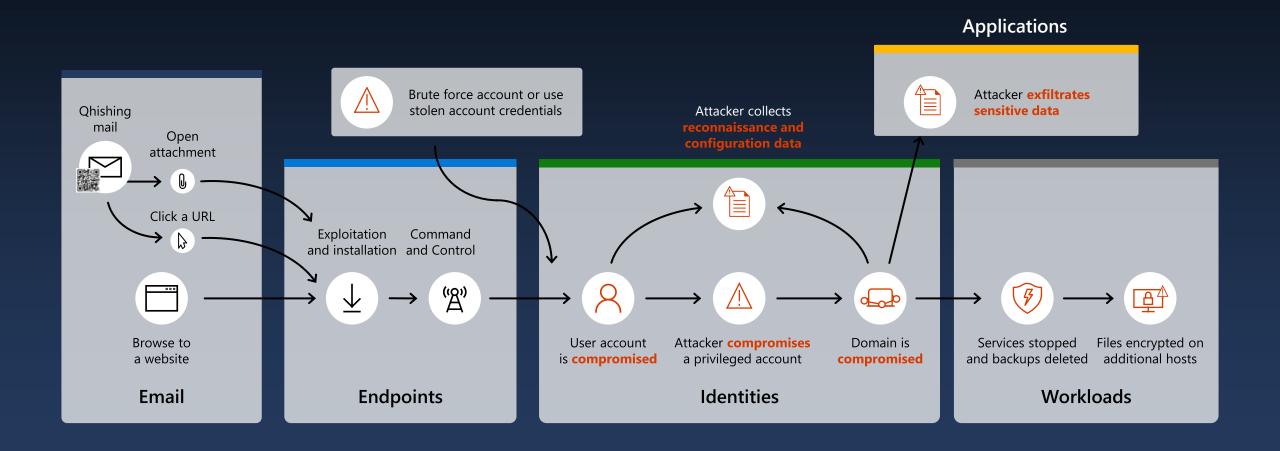
Customers need to find, catalog and secure data, apps, identities, users and devices





## Simple Mistakes Open Doors

Typical human-operated ransomware campaign



# Protection across the entire kill chain

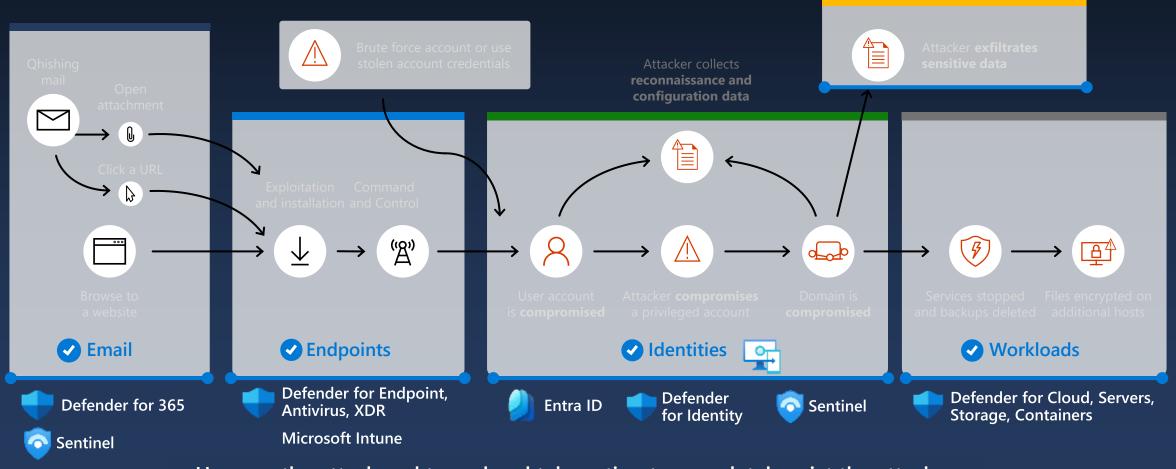
With Microsoft SIEM and XDR



**Applications** 



**Entra Permissions Management** 



Uncover the attack end to end and take action to completely evict the attacker.

# We lead with end-to-end protection

