



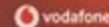
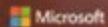
Sicherheit für Ihr Unternehmen

Achieve more together

Stephan Pepersack – Partner Technology Strategist

17.10.2024

Together we can

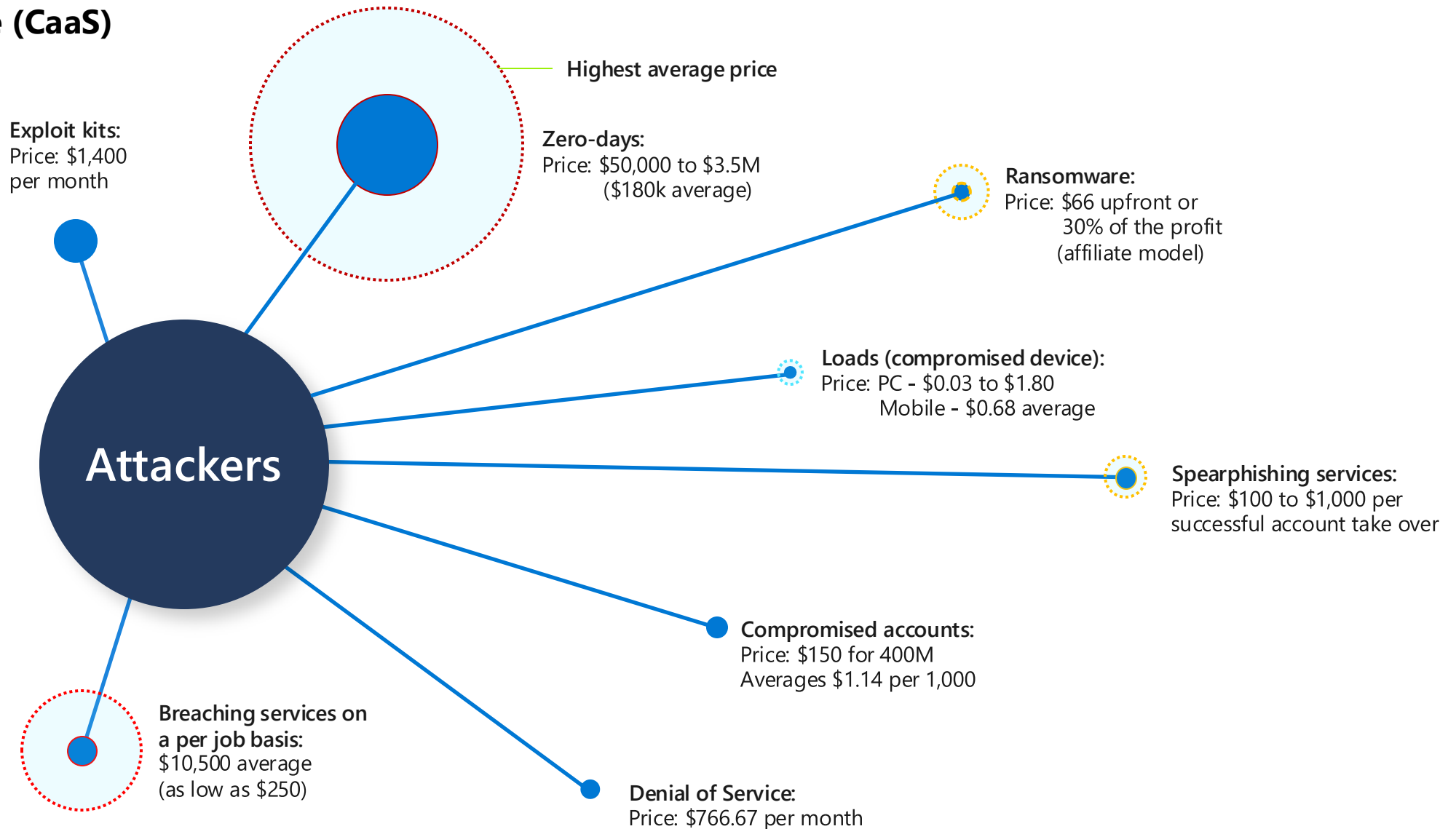






Attack services are cheap

Crime as a Service (CaaS)



The State of Cybercrime

Key developments

80-90%

of all successful ransomware compromises originate through unmanaged devices.

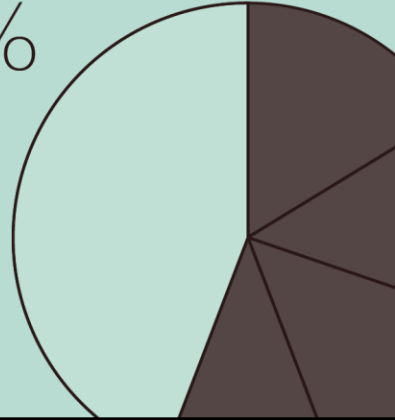


70%

of organizations encountering human-operated ransomware had fewer than 500 employees.



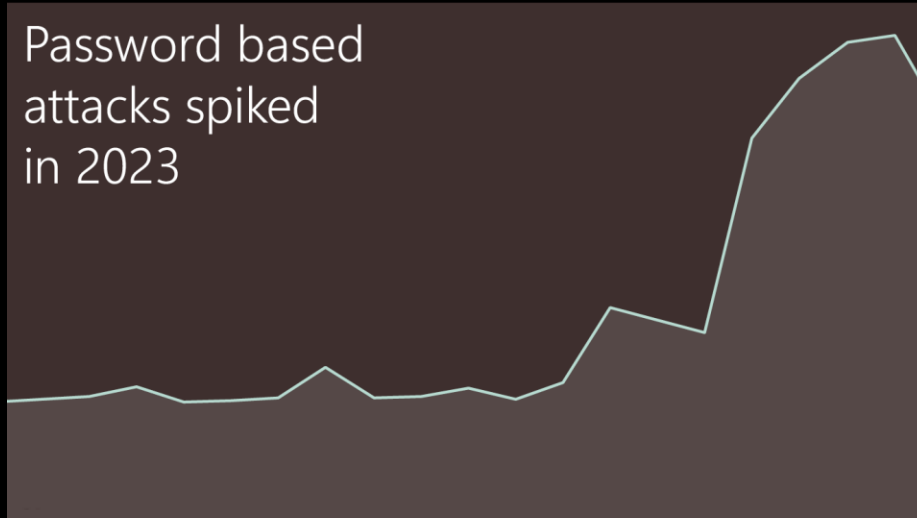
Human-operated ransomware attacks are up more than 200%



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.



Password based attacks spiked in 2023

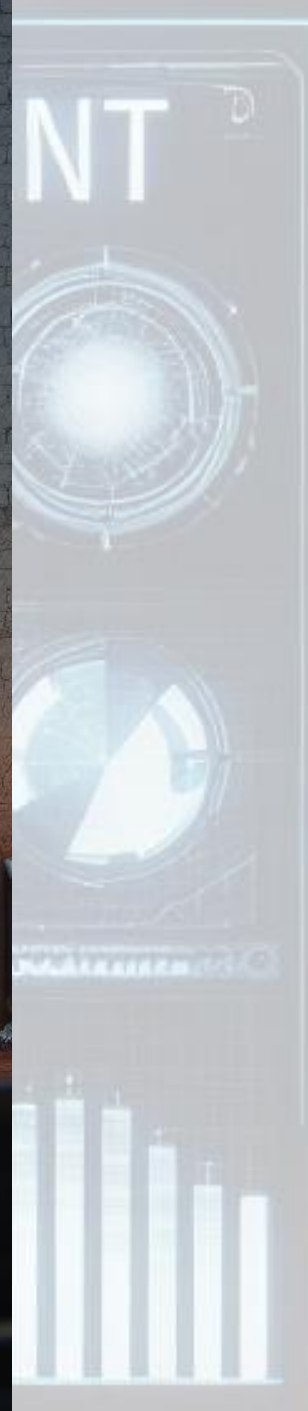


Last year marked a significant shift in cybercriminal tactics

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 our best defense, due to the scale needed to mitigate the largest attacks.



Return on Investment (ROI)



Ziel: Return on Investment (ROI) zerstören

Veränderung der Ökonomie der Cybersicherheit

Angreifer:

MAXIMIERUNG RETURN ON INVESTMENT

("Return" kann monetär/politisch/etc. genutzt werden)

Verteidiger:

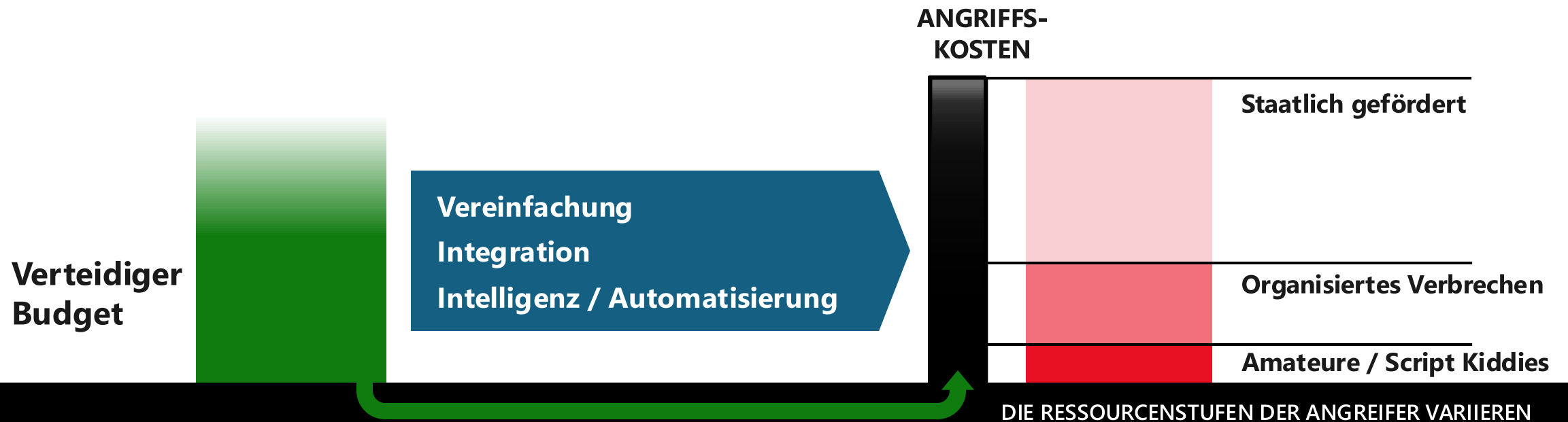
ANGREIFERS ROI ZERSTÖREN

durch erhebliches Anheben der Kosten für einen erfolgreichen Angriff
+ schnelles Reagieren/Wiederherstellen

MICROSOFT:

Vereinfachung erweiterter Möglichkeiten

Plattform-, Cloud- und IoT übergreifend



Hinweis: Die Angriffskosten ändern sich ständig mit dem technischen Fortschritt und der Entwicklung des Geschäftsmodells.

Beste Umsetzung?

... die Technologie unterstützt



Firewall?

... ja, aber noch viel mehr








How can we protect against 99% of attacks?

Fundamentals of cyber hygiene

99%

Basic security hygiene still protects against 99% of attacks.

How effective is MFA at deterring cyberattacks? A recent study based on real-world attack data from Microsoft Entra found that MFA reduces the risk of compromise by 99.2 percent.*

-  Enable multifactor authentication (MFA)
-  Apply Zero Trust principles
-  Use extended detection and response (XDR) and antimalware
-  Keep up to date
-  Protect data

← Outlier attacks on the bell curve make up just 1% →

Deploy the most secure, usable & cost-effective methods



Enable multifactor authentication

Bad: Password

Ukraine2022!

Sars-Cov-2

Covid-19

Maga2020!

123456

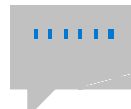
Qwertz

P@ssw0rd!

StopWar!22

Good: Password

+



SMS



Voice

Better: Password

+



Push
Notification



Soft
Tokens OTP



Hard
Tokens OTP

Best:



Microsoft
Authenticator

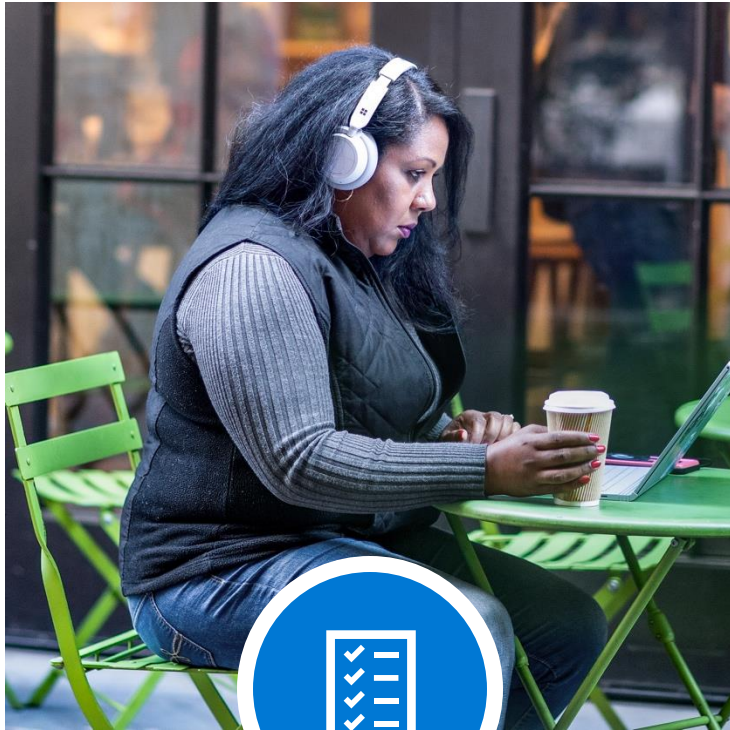


Windows
Hello

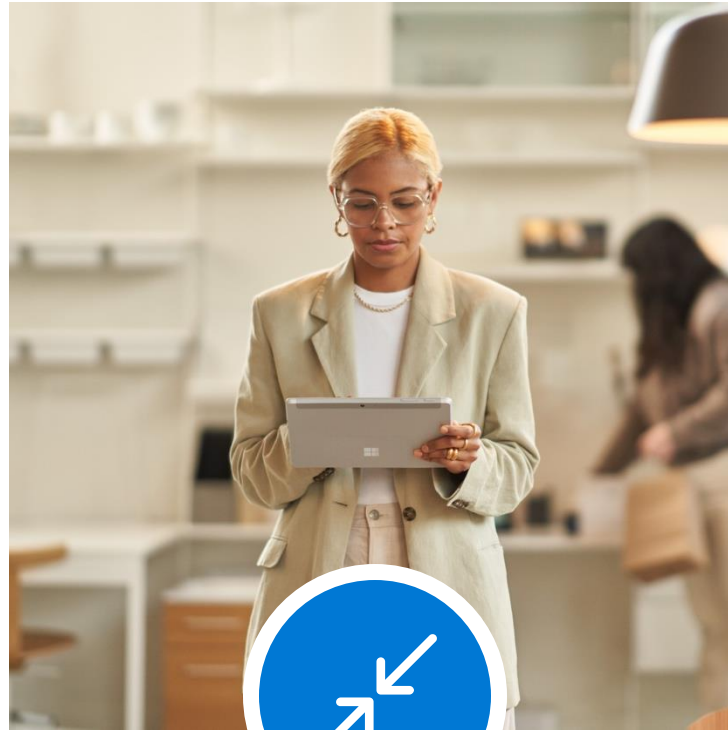


FIDO2
Security key

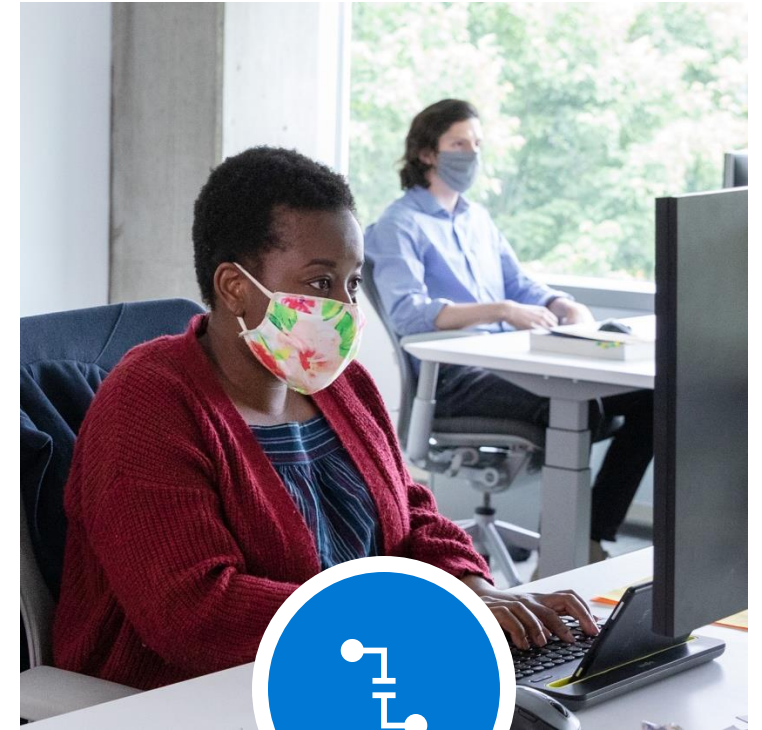
The guiding principles of Zero Trust



Verify explicitly

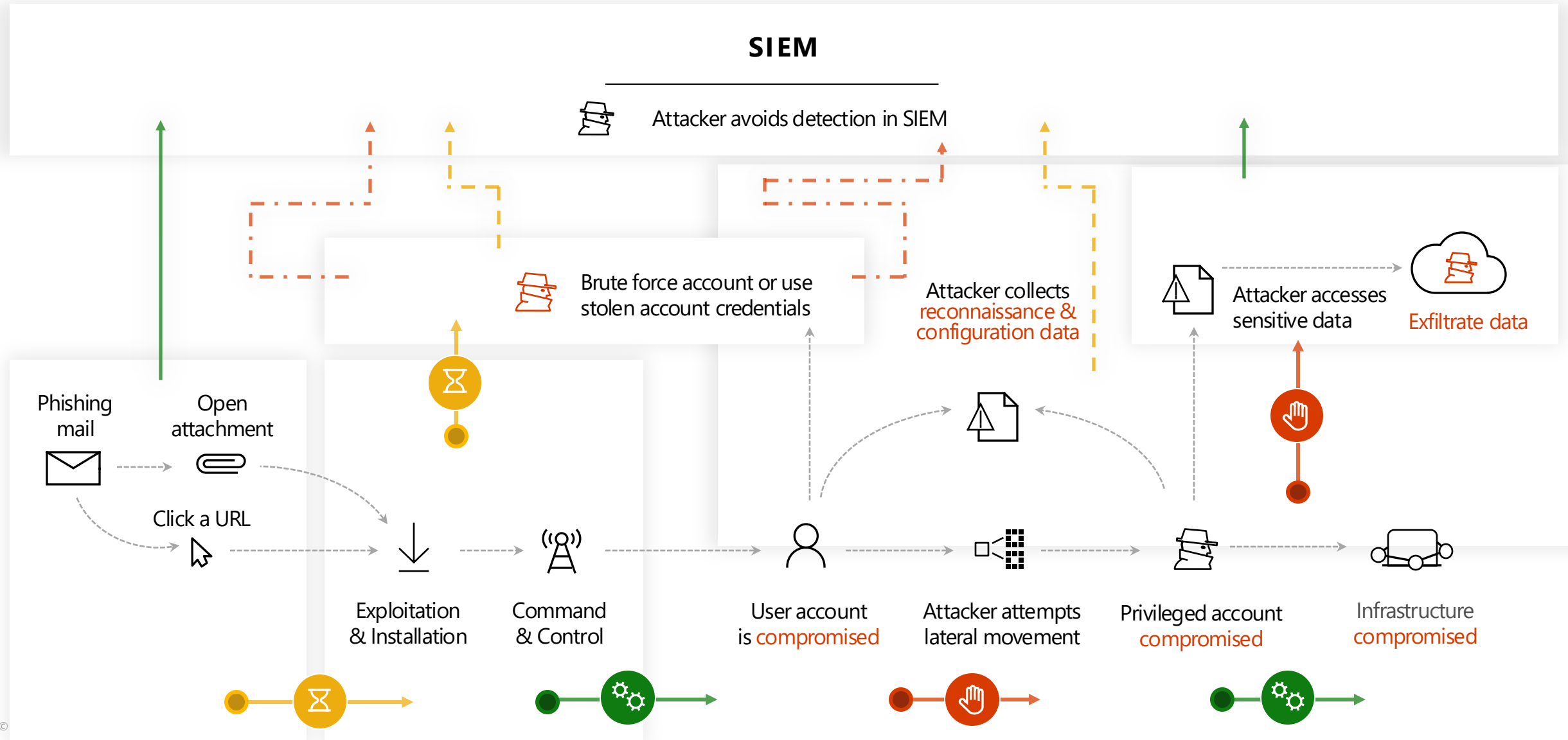


Use least privileged access

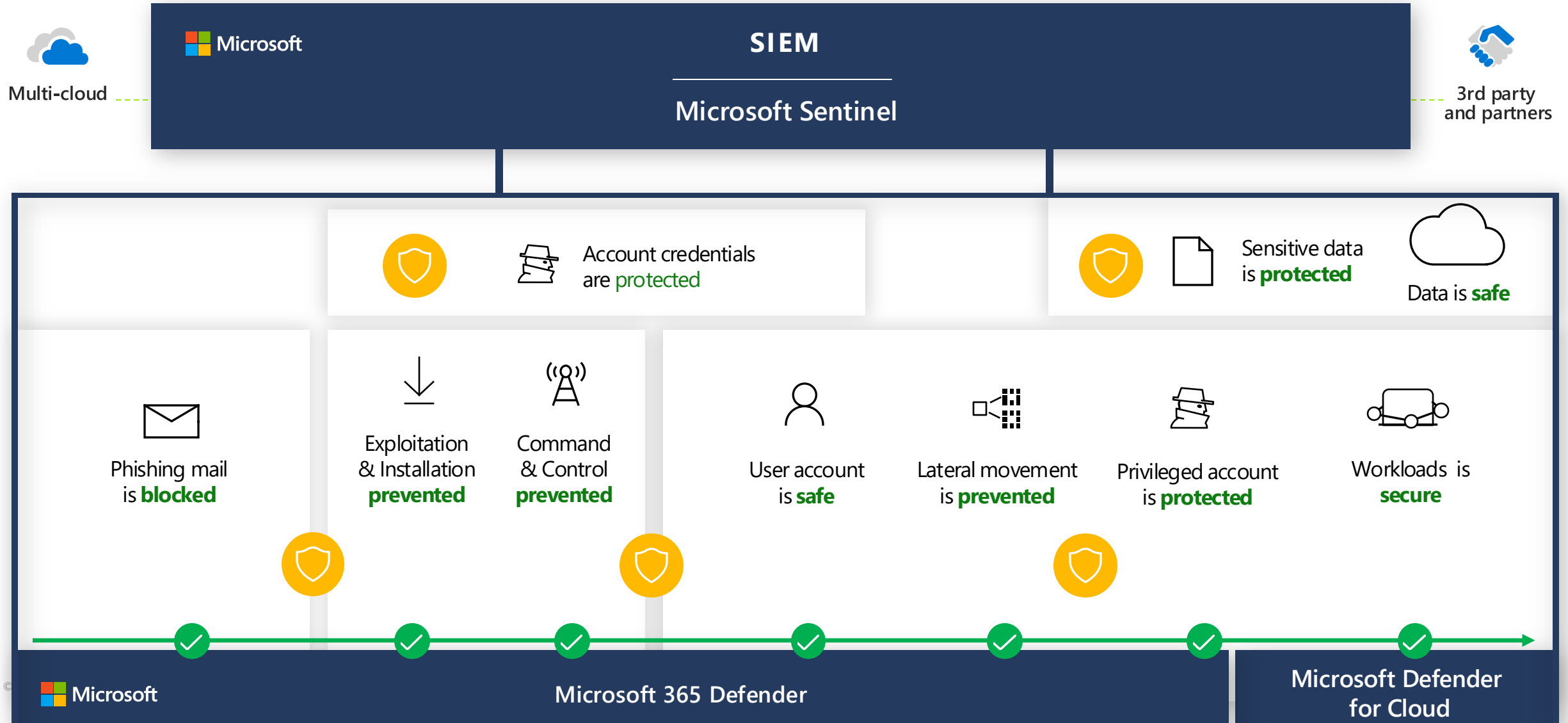


Assume breach

Siloed security leads to gaps and increased operational overhead



Close the gaps. Spot once, block everywhere





Microsoft Security: führender Anbieter in sechs Magic Quadrants von Gartner



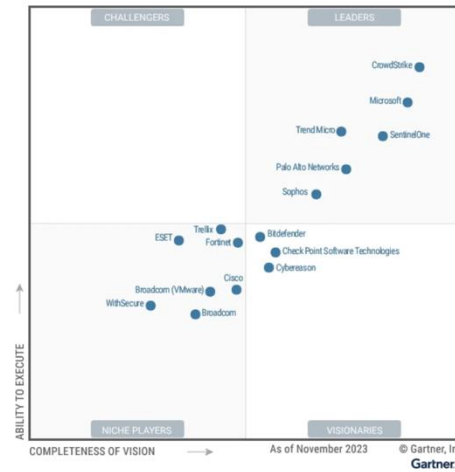
Identity & Access Management



Cloud Access Security Brokers



Enterprise Information Archiving



Endpoint Protection Platforms



Unified Endpoint Management



Security Information and Event Management

Microsoft – a leader in nine Forrester Wave™ reports

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