



Journey Towards Discovery and Visibility with XDR

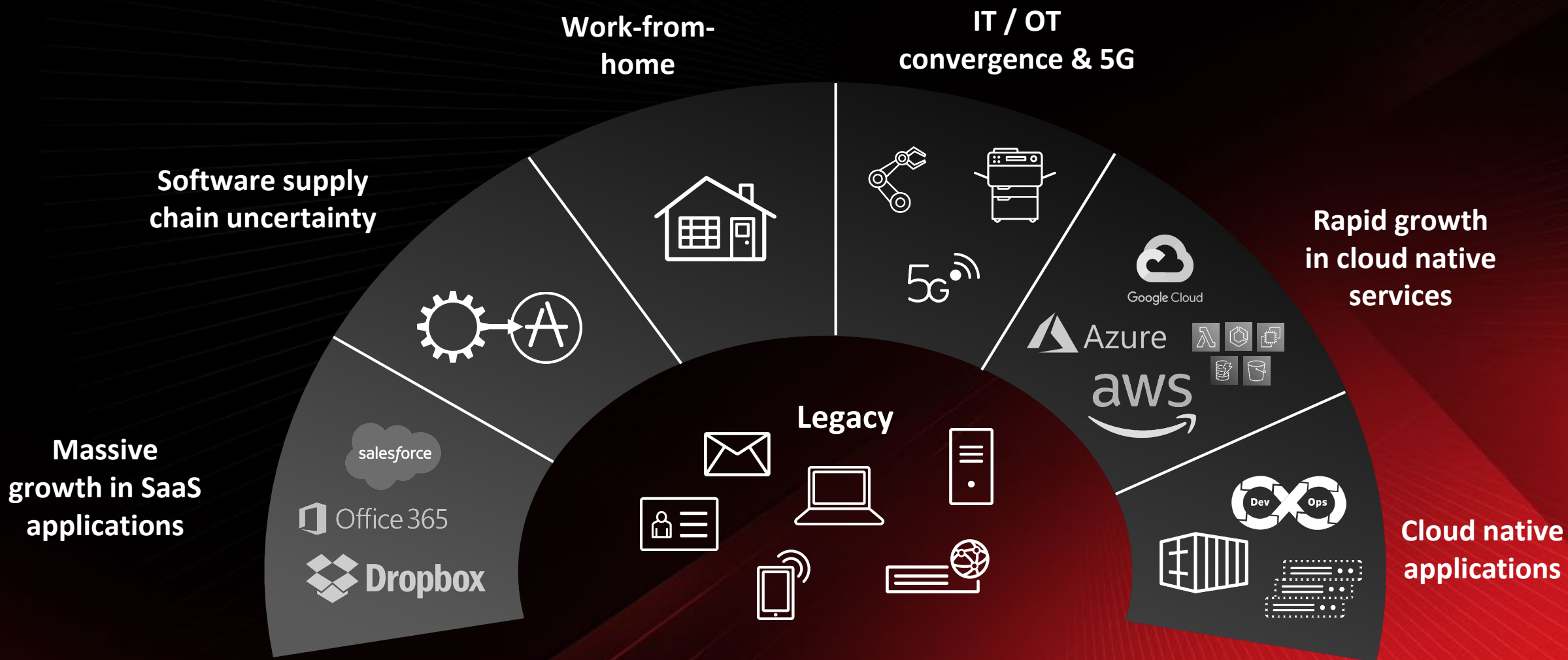
Noramiza Ayu Bt Bahrom
Snr Pre-Sales Consultant





**Why are breaches still
occurring and increasing at
an accelerated rate?**

A complex growing attack surface



82 %

Of breaches, Identity compromise is a key element.

70%

of organizations have been compromised via an unknown, unmanaged, or poorly managed internet-facing asset.

52%

of Trend Micro IR incidents start with phishing

Threat actor evolution

Cyber Criminals



Extortion and BEC growing
Economic headwinds driving more crime
Increased specialization, targeting, customization

Nation State Actors



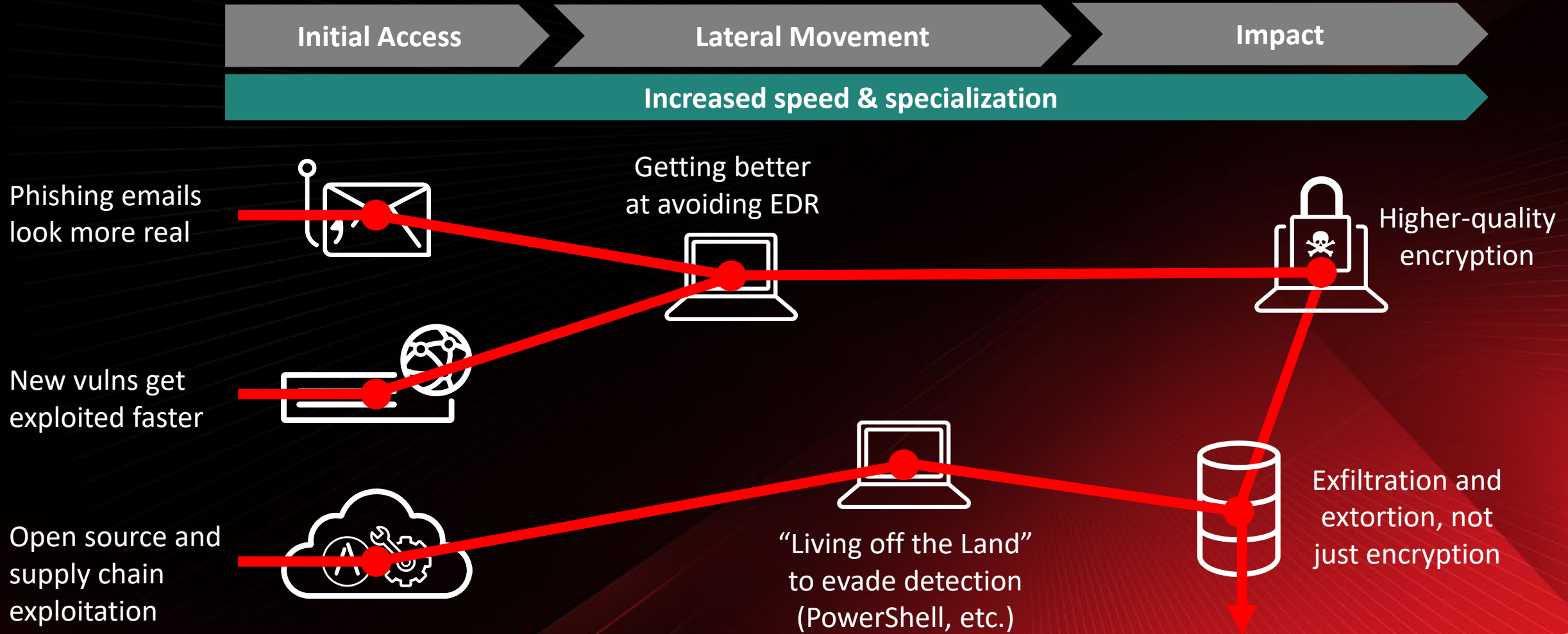
Disruption, destruction, IP theft
Tolerating and harboring criminals
Some “federal” regimes profit-driven e.g., North Korea

Insiders

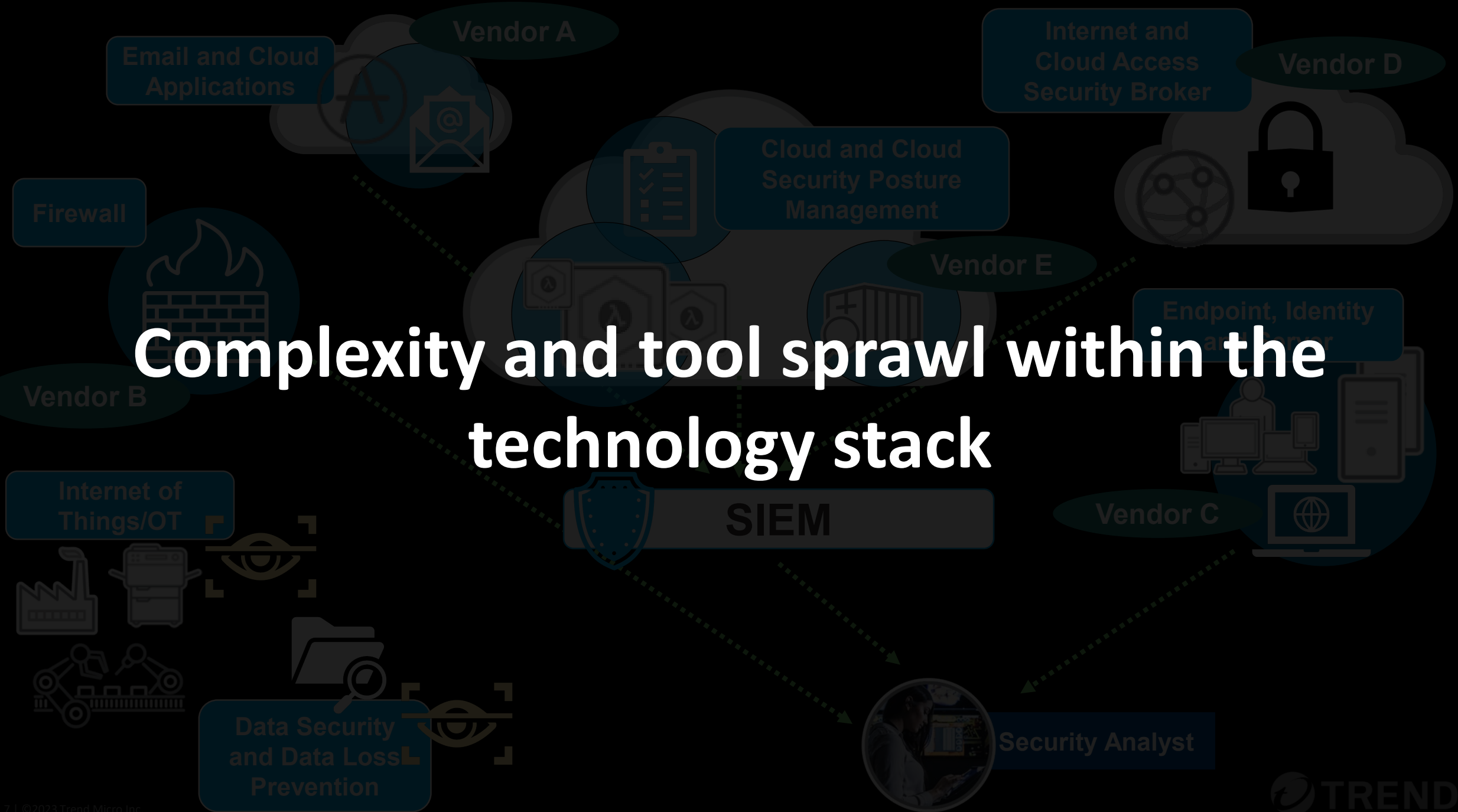


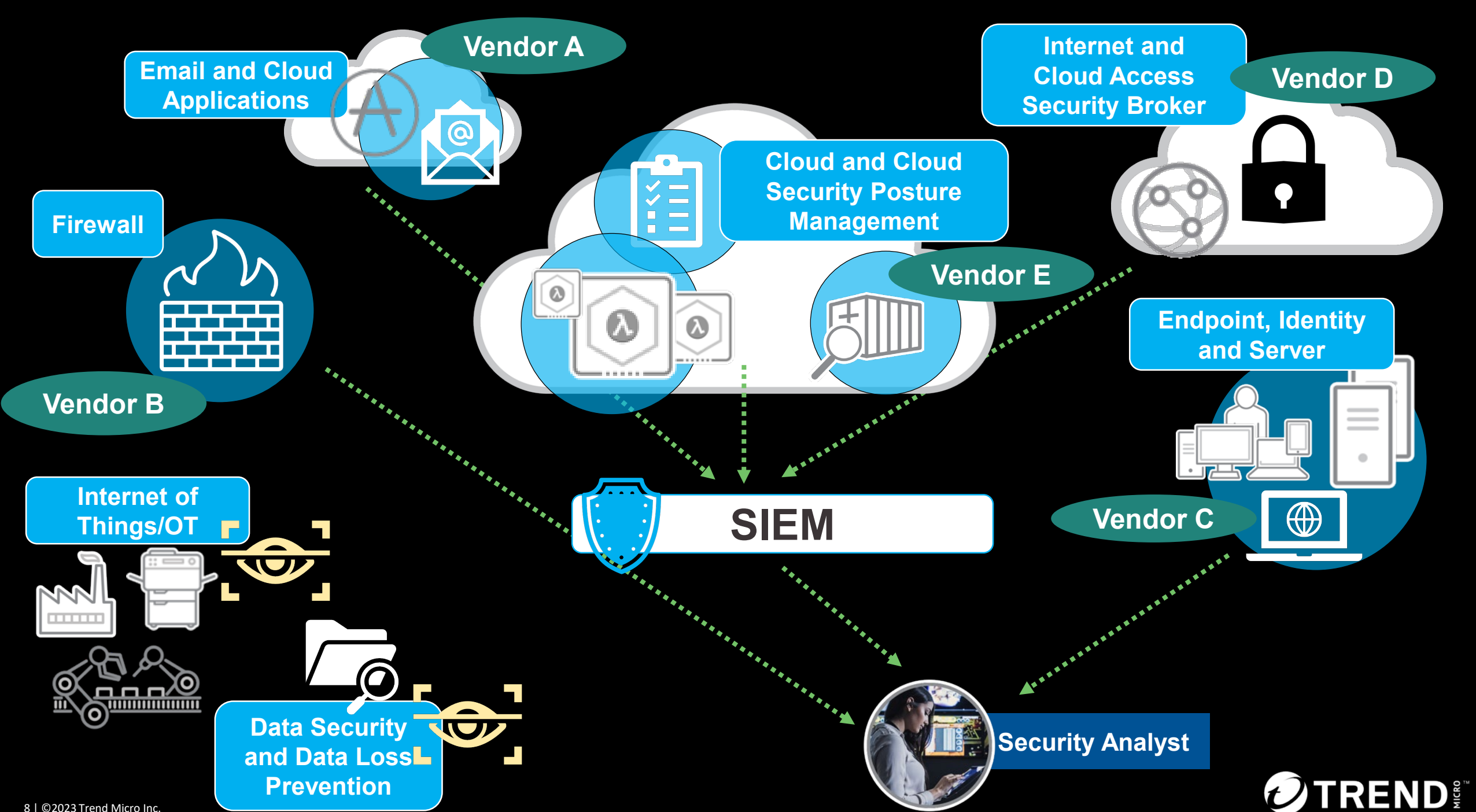
Economic pain will drive increased misbehavior
Cyber-criminals paying insiders for access

Threat activity evolution

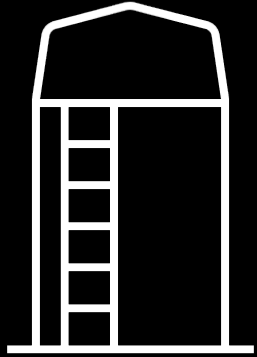


Complexity and tool sprawl within the technology stack

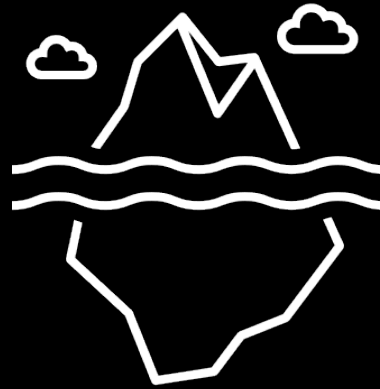




Tool sprawl enables attackers



**Proliferating
silos from
point solution
sprawl**



**Missing
visibility across
security layers**



**Inadequate
hybrid IT
environment
compatibility**

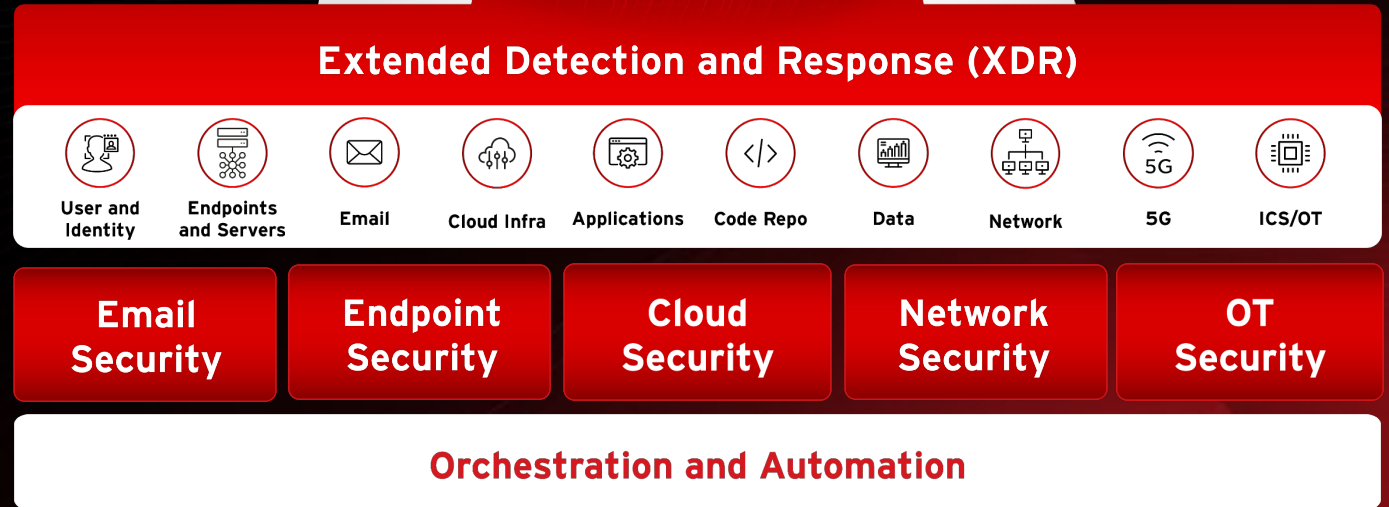


Trend Vision One Approach

Shift from Security Tools to a Cybersecurity Platform



Managed Services



Ecosystem Integration

Global Threat Intelligence
Attack Surface Intelligence | Zero Day Initiative | Threat Research | AI/ML | Big Data Analytics

Platform Foundations
Multi-Tenancy | Role-Based Access Control | Single Sign-On | Policy Decision Point





User and
Identity



Endpoints and
Servers



Email



Cloud Infra



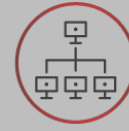
Applications



Code Repo



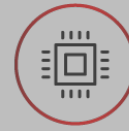
Data



Network



5G



ICS/OT

**Email
Security**

**Endpoint
Security**

**Cloud
Security**



User and
Identity



Endpoints and
Servers



Email



Cloud Infra



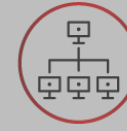
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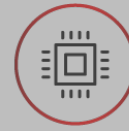
Data



Network



5G



ICS/OT

Email
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User and
Identity



Endpoints and
Servers



Email



Cloud Infra



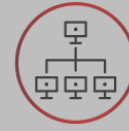
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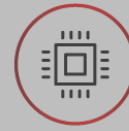
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Network



5G



ICS/OT

Cloud
Security

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User and Identity



Endpoints and
Servers



Email



Cloud Infra



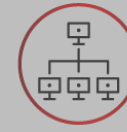
Applications



Code Repo



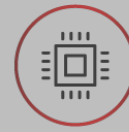
Data



Network



5G



ICS/OT

**Email
Security**

**Endpoint
Security**

**Cloud
Security**

**Network
Security**

**OT
Security**

Orchestration and Automation

Global Threat Intelligence

Attack Surface Intelligence | Zero Day Initiative | Threat Research | AI/ML | Big Data Analytics

Threat Intel powered by Global Research



Global Threat Intel fueled by AI/ML and world leading 250 million sensors deployed

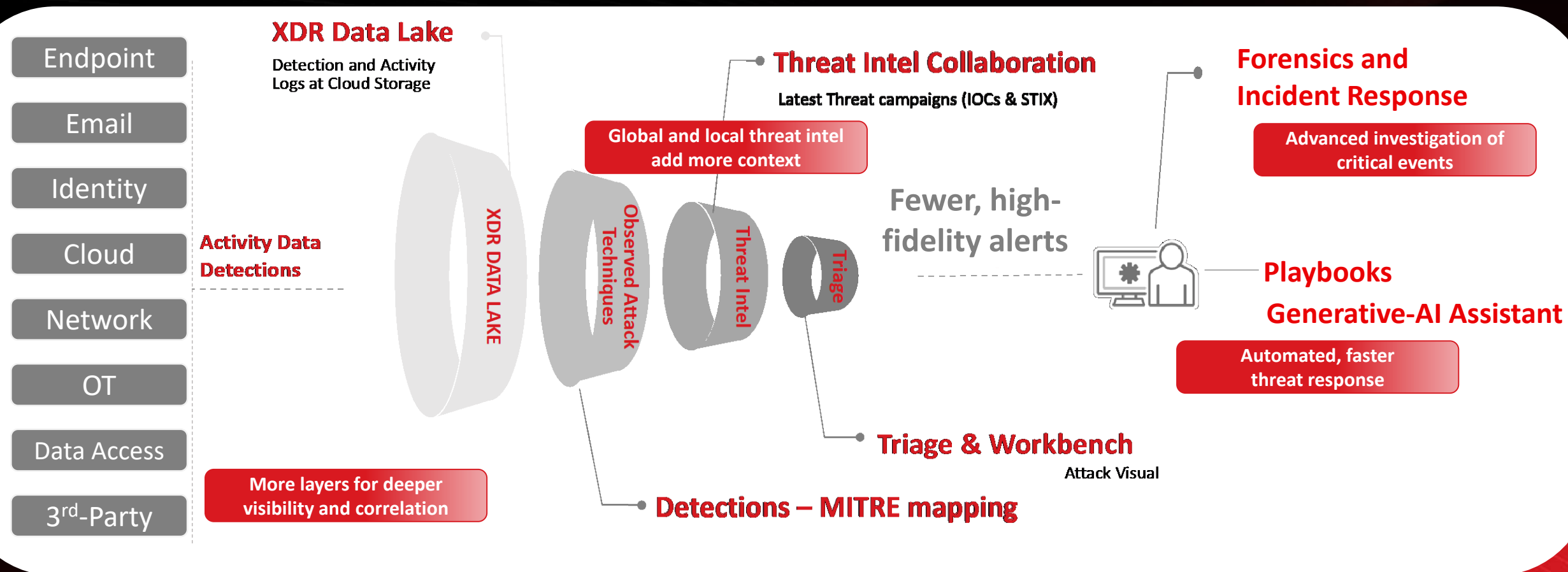


Stop Adversaries Faster

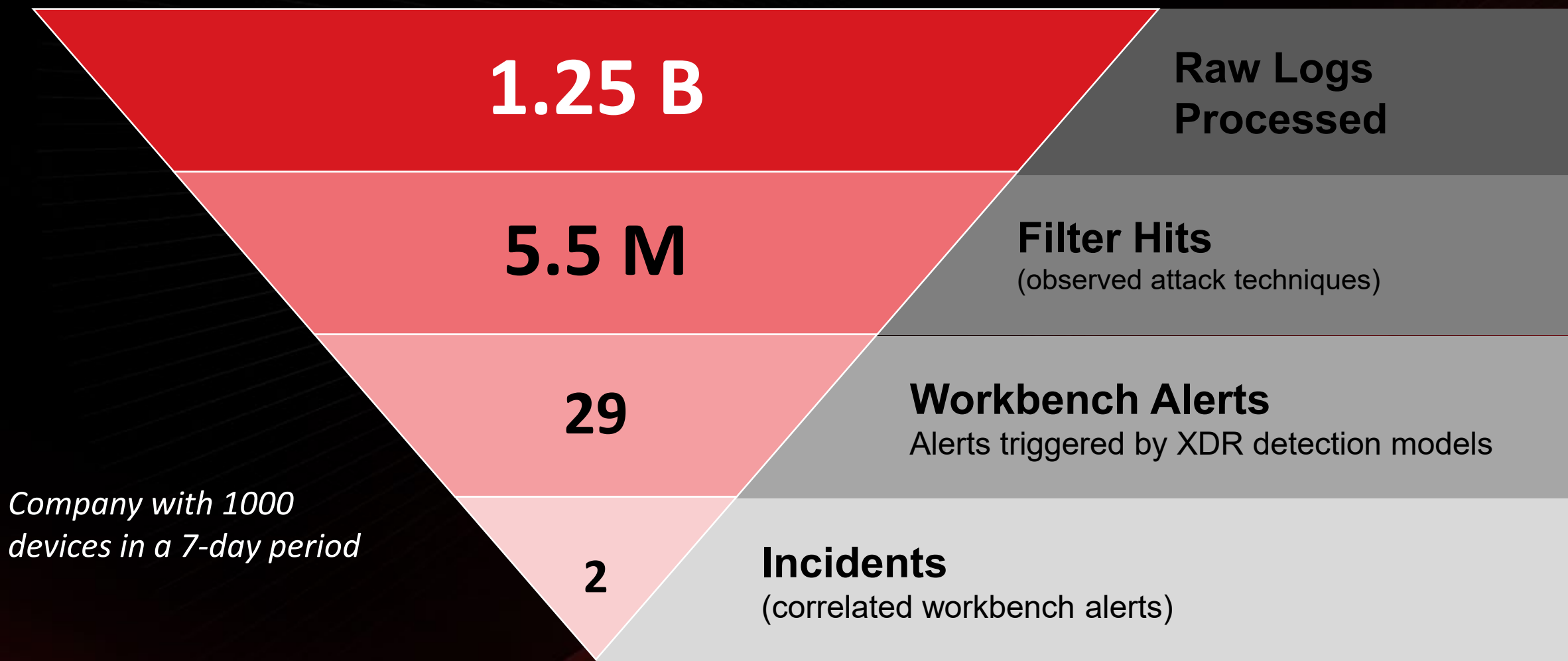
XDR



Cross-Layer XDR with Hybrid IT Environment Support



Minimize alert fatigue with high confidence detections



Trend Micro Security Analytics Engine (SAE), 2022



Take Charge of Cyber Risk

Attack Surface Risk Management



Proactive Security | Attack Surface Risk Management

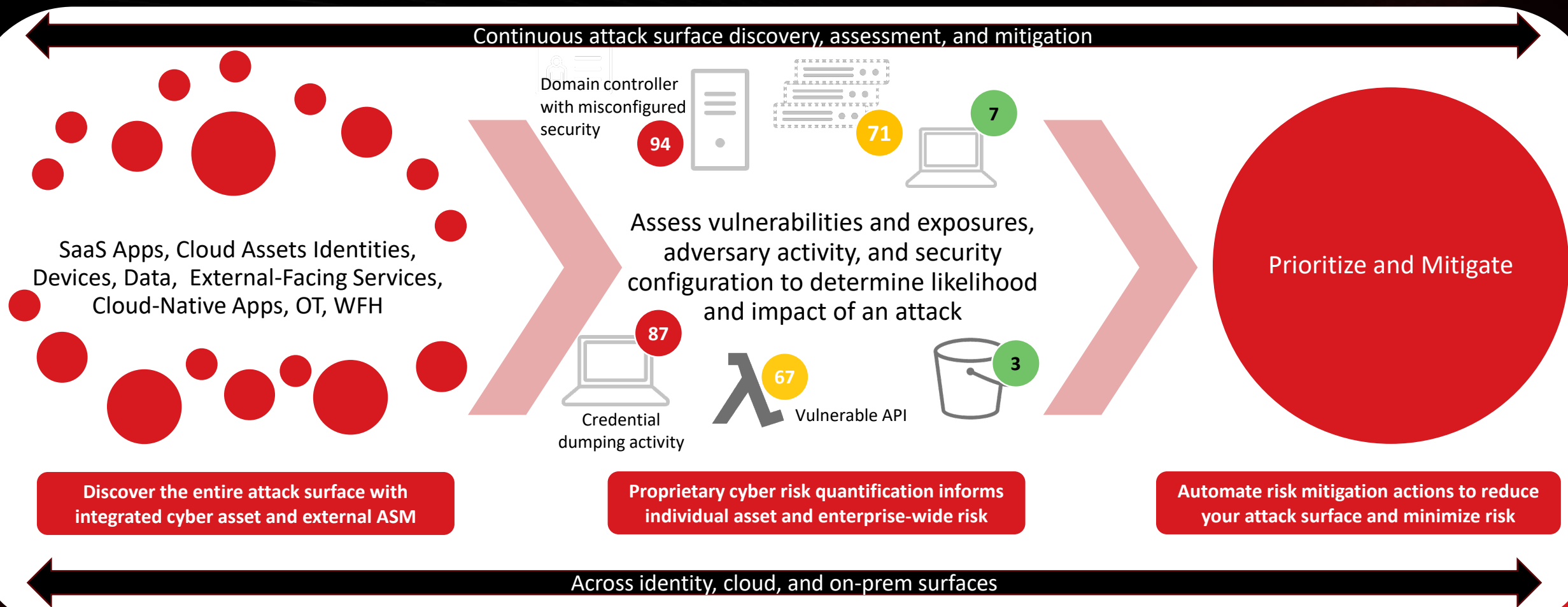
Discover Attack
Surface



Assess &
Prioritize Risk

Mitigate Risk

Proactive Security | Attack Surface Risk Management



Continuously Assess Risk | Attack Surface Risk Management



Security Automation and Orchestration



Swiftly address unpatched vulnerabilities, exposed accounts, & misconfigurations



Deploy response actions across multiple security layers when a threat alert is triggered

Improve mean-time-to-detect, respond, remediate, and contain



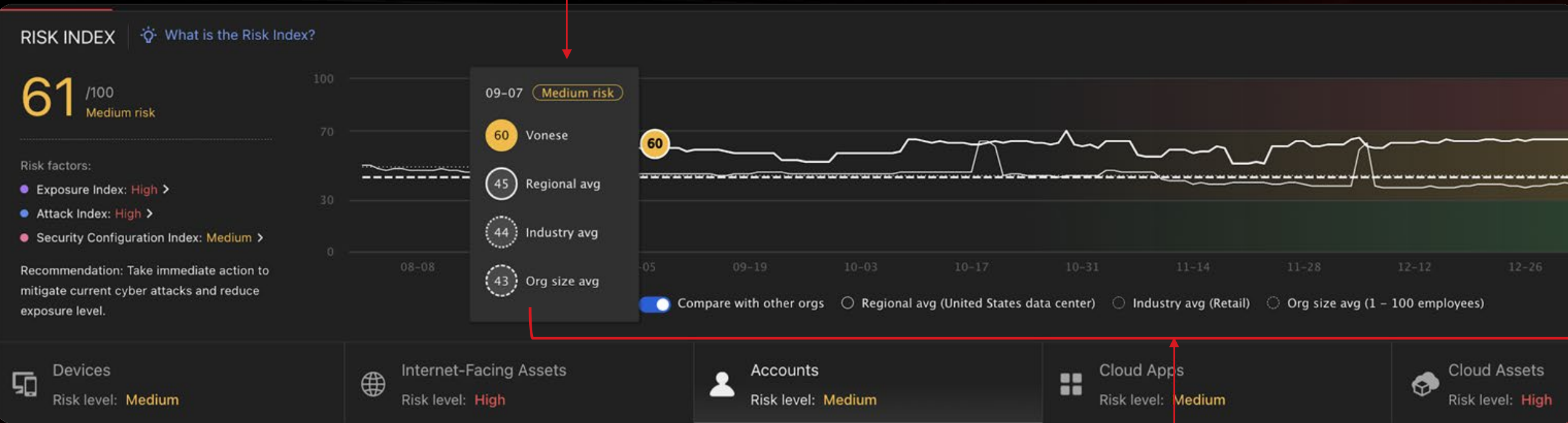
Automate dynamic remote access control



Collect forensic evidence immediately

Centralized Reporting and Benchmarking

Benchmark Comparisons



Risk Levels Over Time

Purpose Built Dashboards for All User Types



"I want to **quickly verify** if an event is an incident and gauge its **severity** on my monitoring console."

[Active Monitoring]
SOC Analyst I



"I want to quickly get an **overview of the incident**, including its **scope, timeline, and impact.**"

[Forensic Analysis]
Incident Responder



"What is our **Cybersecurity Risk Exposure**? What have we done to limit the exposure?"

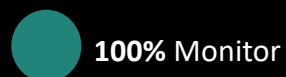
Chief Information
Security Officer

Job Duty and Security Knowledge Level

Triages security alerts, monitor health of security sensors, collect data & context necessary to initiate response.

Primary tasks are **policy definition** and **incident investigation**, performing **dive-dive incident analysis** by correlating data from various resources.

Leads cybersecurity strategy, ensures it's **aligned with business strategy & objectives**; helps communicate strategy & progress across the board and key leaders.



100% Monitor

Security Knowledge Level:
Medium



50% Monitor

Security Knowledge Level:
Expert



30% Monitor

Security Knowledge Level:
High

Tools Used

System and Network Management Consoles, XDR Workbench, Operations Dashboard, Security Configuration and Control Dashboard

XDR Workbench, Search App, Threat Intelligence, Forensic App, Security Playbooks, Operations Dashboard, Attack Overview

Executive Dashboard (Risk Index, Security Posture Status), Automated Risk and Compliance Reports, Attack Surface Exposure Overview

Greater Peace of Mind with Expert Services

Address skills shortage and augment security operations with 24/7 Managed EDR and XDR

Build resilient strategies with Red Teaming and Incident Response (IR) services

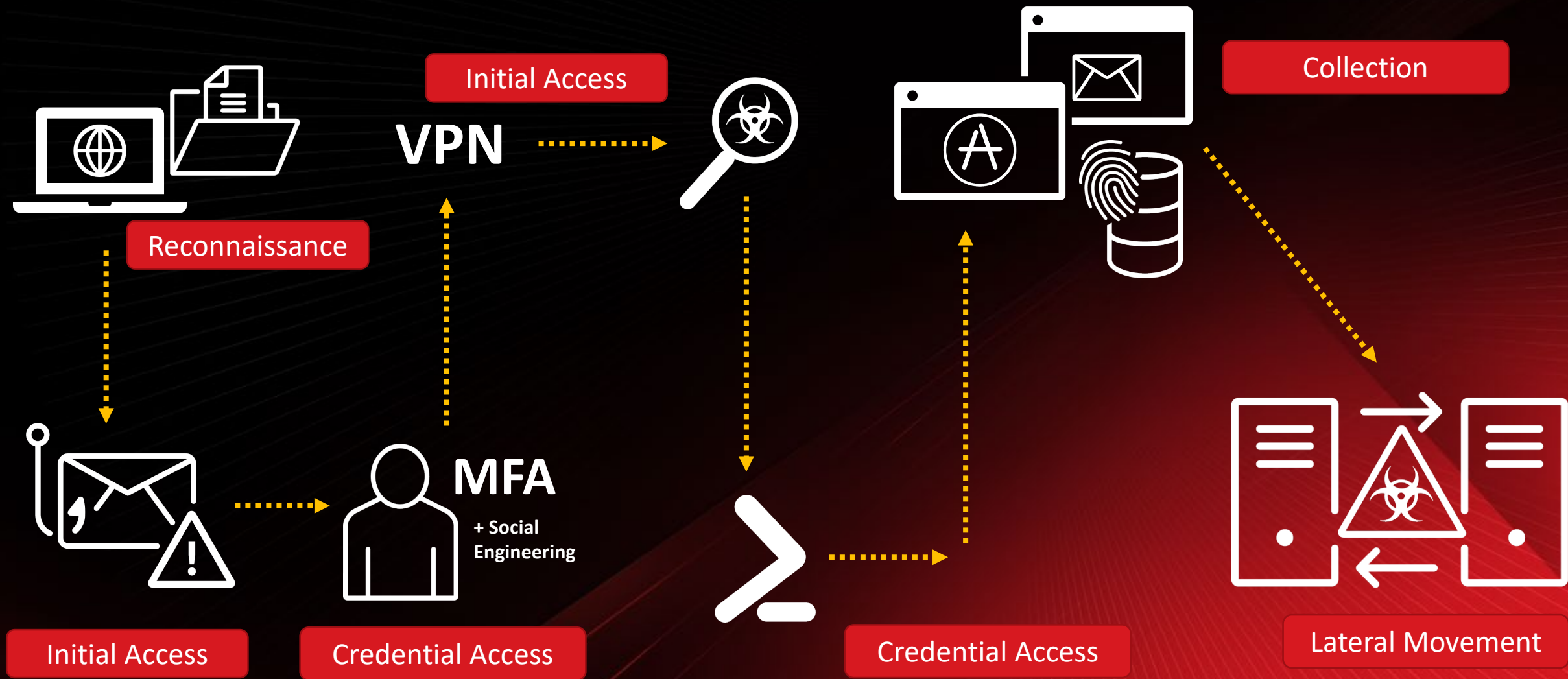
Optimize onboarding and your technology investment to best protect cyber assets



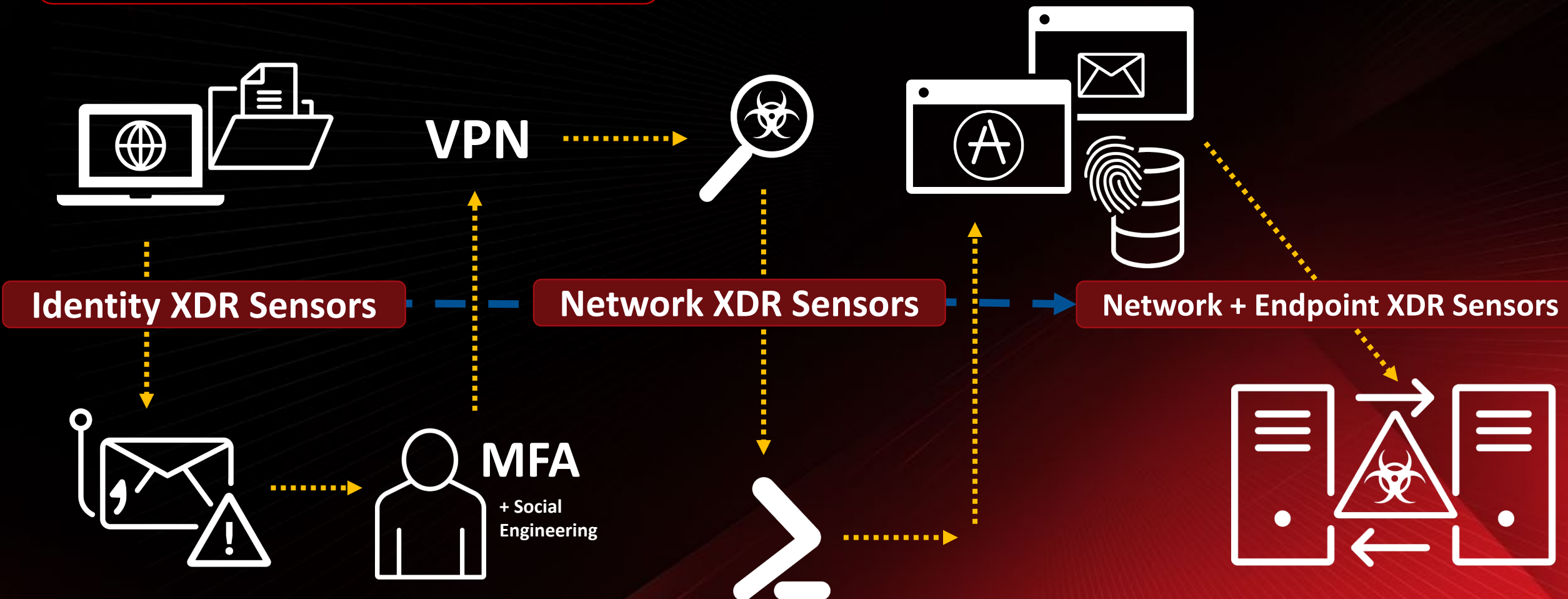


Breach Scenario

UBER BREACH: STORY OF THE ATTACK

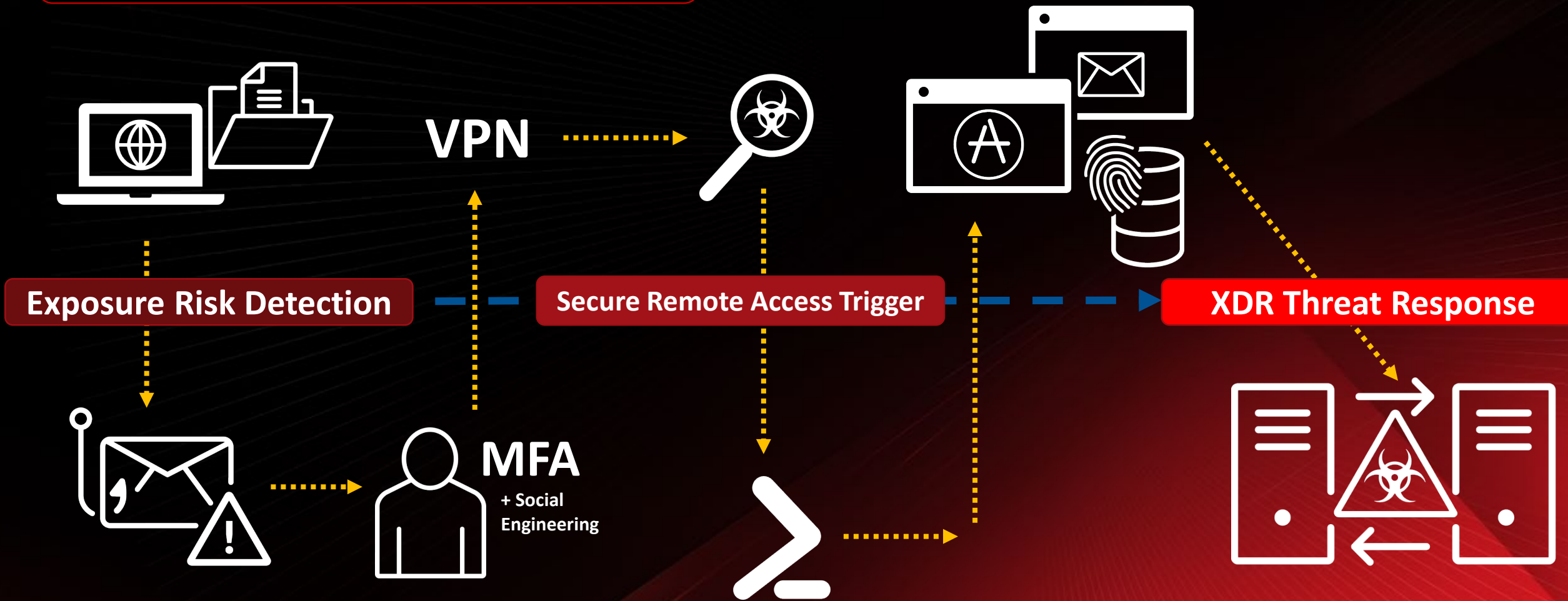


UBER BREACH: RESPONSIVE



Detect, investigate, and respond to suspicious activity across security vectors

UBER BREACH: PRE-EMPTIVE

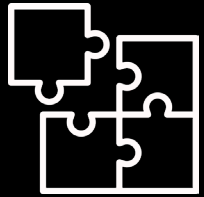


Accelerate SOC capabilities with ASRM + Zero Trust + XDR from Security Platform Approach



Security and Business Benefits

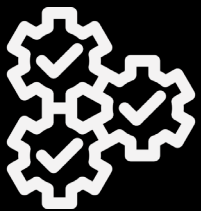
Cybersecurity Outcomes | What can we accomplish?



CONSOLIDATION | Pivot from a siloed cybersecurity approach to a unified cybersecurity platform — *without losing quality*



VISIBILITY | Transform from limited visibility to broad visibility into security and risk exposure, across all assets with Attack Surface Risk Management — *for proactive defense*

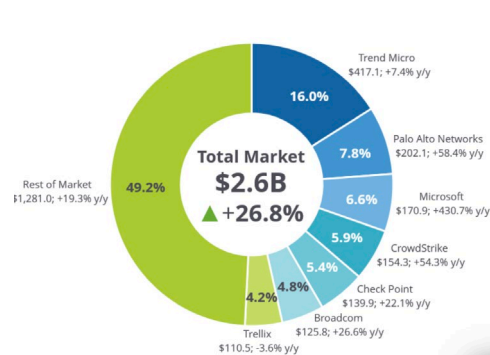


AUTOMATION | Shift from manual response to automated workflows and AI-supported response with integrated security playbooks — *achieve real time protection, assessment, detection and response, and improve mean time to contain*

Consolidation without Compromise

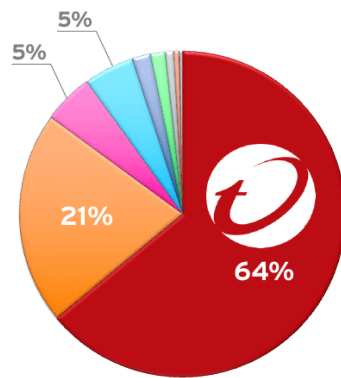
IDC Worldwide Cloud Workload Security Market Shares

May 2023



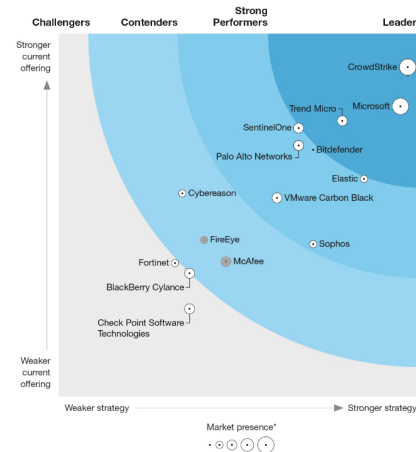
Omdia Global Vulnerability Research and Discovery

2022 Edition



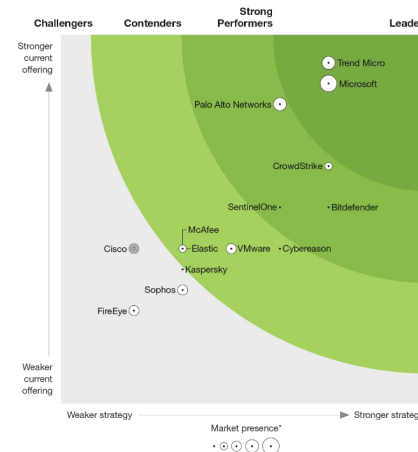
Forrester Wave™: Endpoint Detection and Response

Q2, 2022



Forrester New Wave™: Extended Detection and Response (XDR)

Q4, 2021



Forrester Wave™: Network Analysis and Visibility

Q2, 2023

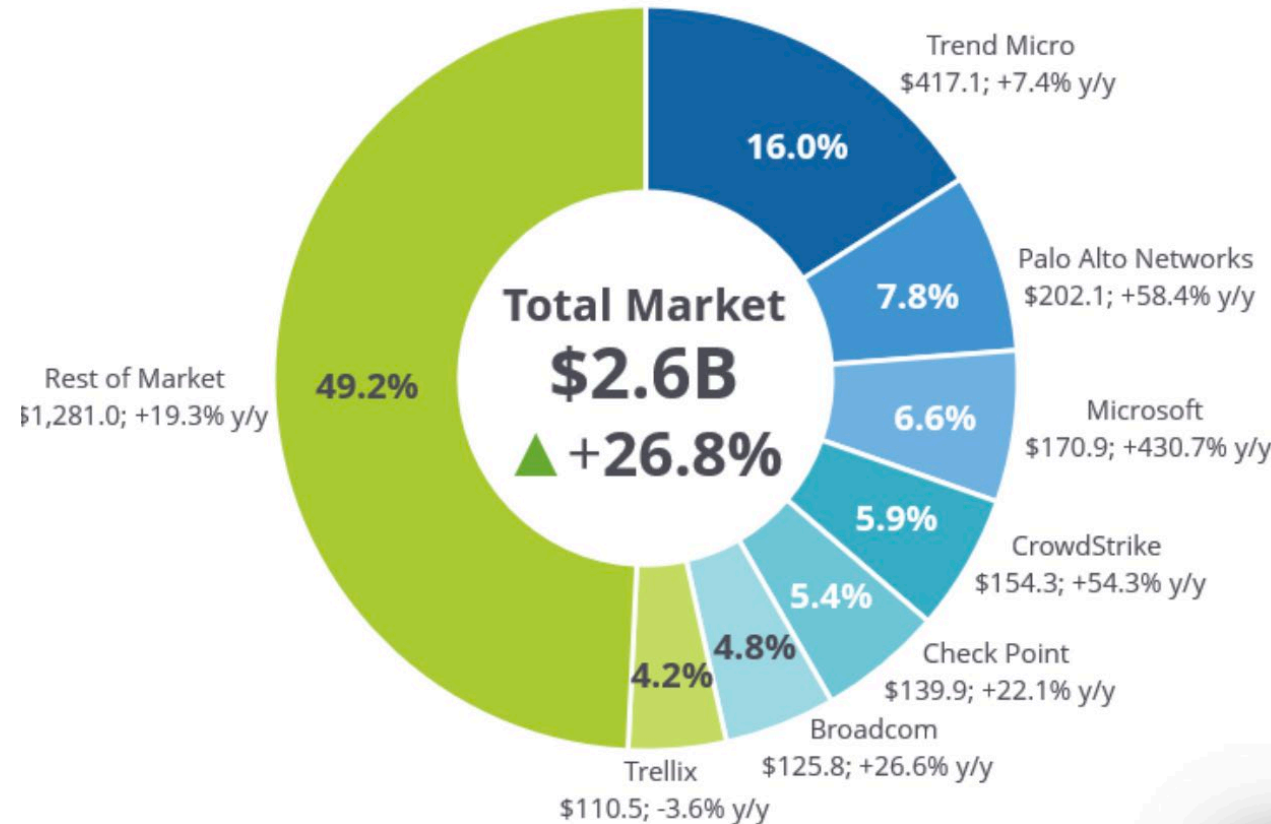


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Consolidation without Compromise

IDC Worldwide Cloud Workload Security Market Shares

May 2023



Omdia

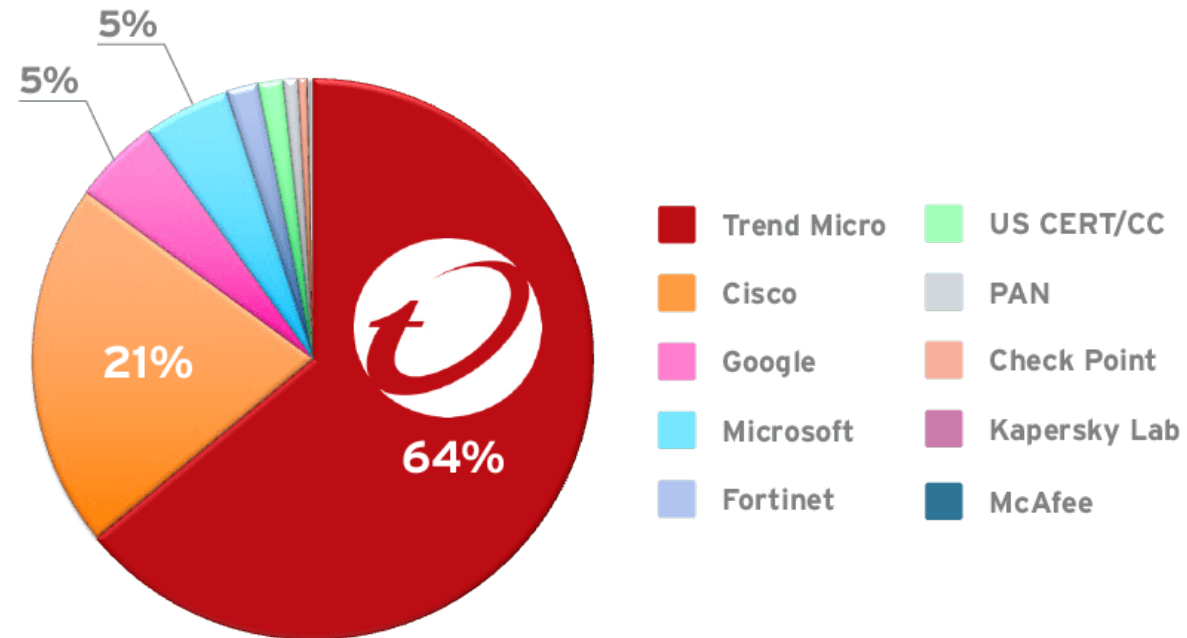
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Consolidation without Compromise

Quantifying the Public Vulnerability Market

2022 Edition

Omdia Research: Quantifying the Public Vulnerability Market: 2022 Edition



Challenge

Stronger current offering

Weaker current offering

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Consolidation without Compromise

Forrester Wave™: Endpoint Detection and Response

Q2, 2022



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Consolidation without Compromise

Leaders



or strategy

Forrester New Wave™: Extended Detection and Response (XDR)

Q4, 2021



Challengers

Stronger current offering

Weaker current offering

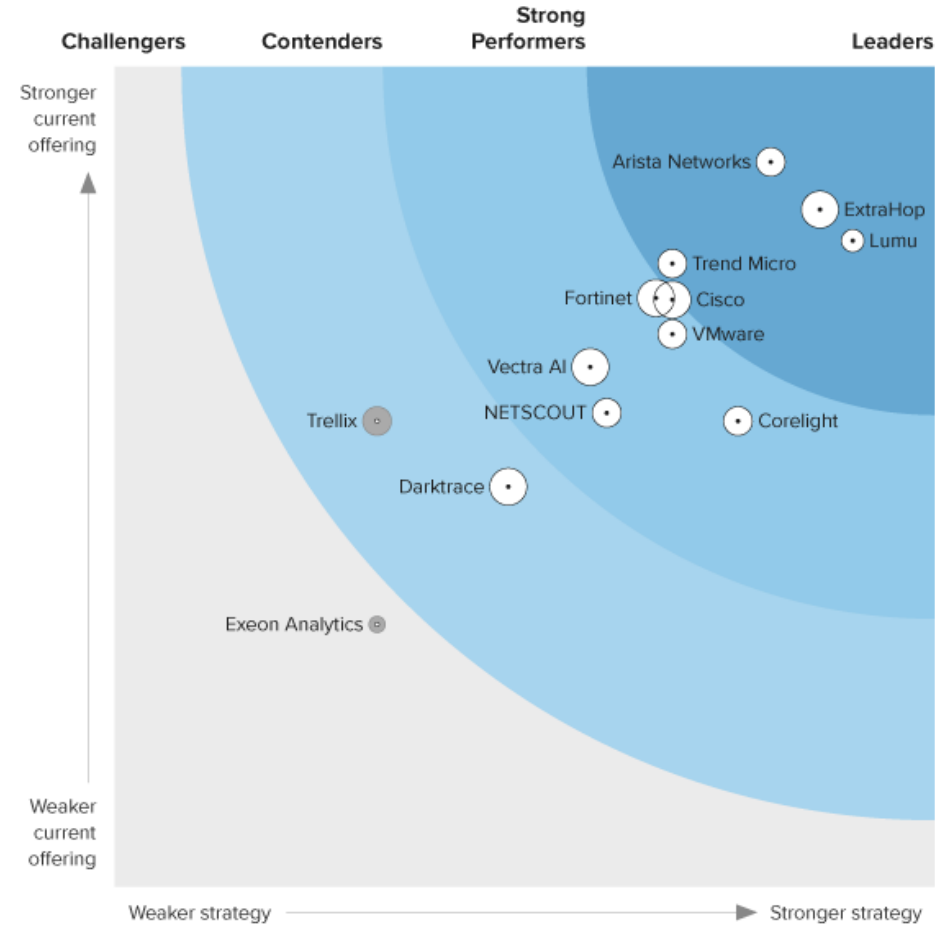
Weaker strategy

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Consolidation without Compromise

Forrester Wave™: Network Analysis and Visibility

Q2, 2023

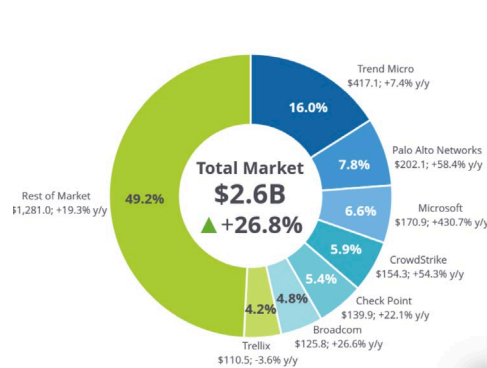


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Consolidation without Compromise

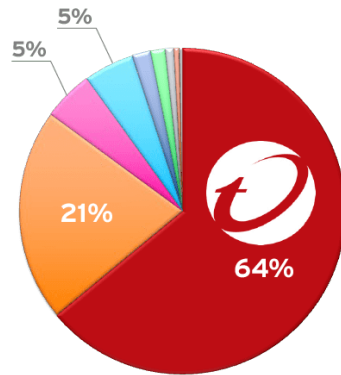
IDC Worldwide Cloud Workload Security Market Shares

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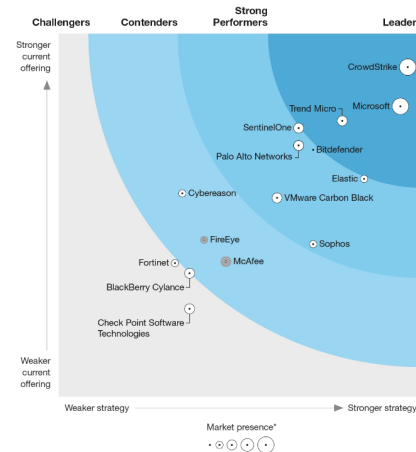
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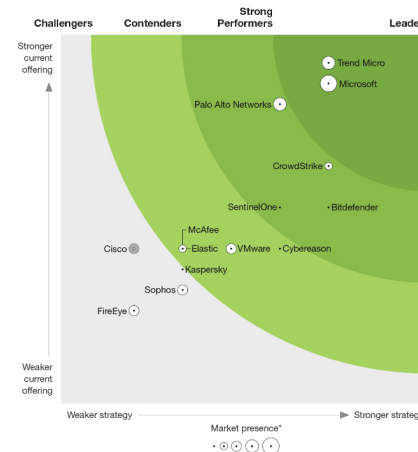
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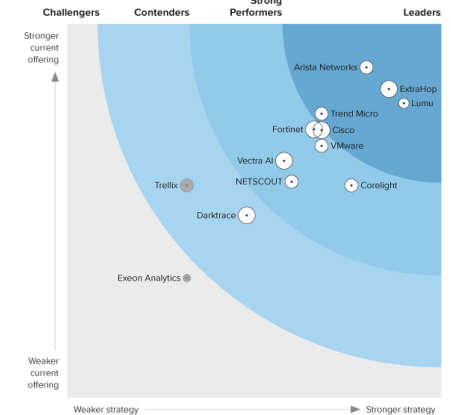
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**What is missing from my
strategy and what can I
consider?**



RISK INDEX

How can I lower the risk index?



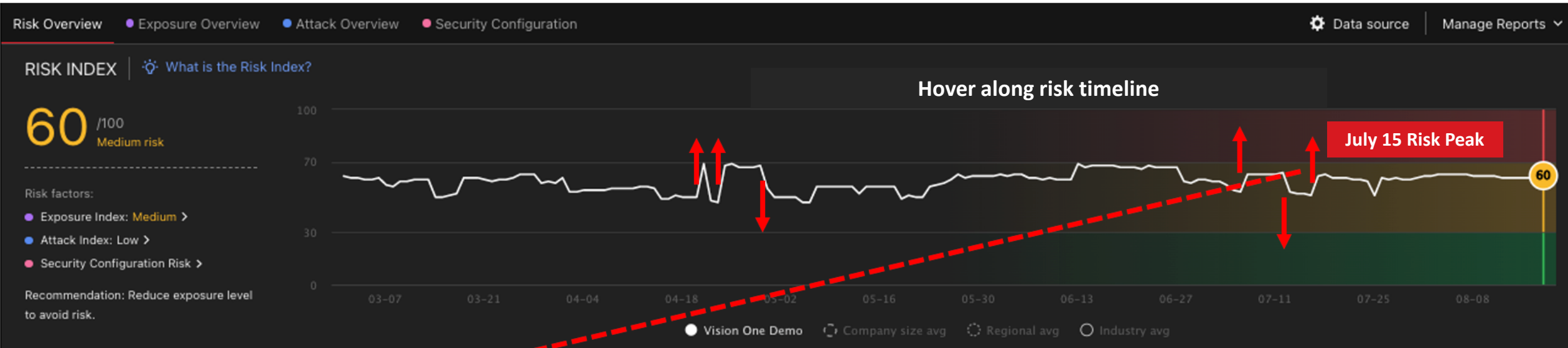
55
Medium



Now
Regional avg: 41

Cyber Risk as a Communication Tool

Cyber Risk Quantification for the SOC



July 15 Peak Caused By:

- 1 user risk level elevated too high
- 1 device risk score increased from low to medium risk level

User Alice risk score changes from 53 to 72:

- Risk Factor: Account Compromise -> User info leaked from breach domain detected
- Risk Factor: System configuration -> Risk Event: Account with Weak Sign-in policy
- Risk Factor: Cloud app activity -> Risk Event: Risky Cloud App Access risk

Device mike-pc1 risk score changes from 31 to 68:

- Risk Factor: Vulnerability-> OS vulnerability identified
- Risk Factor: Security configuration -> Risk Event: Behavior monitoring didn't enabled
- Risk Factor: XDR detection-> Risk Event: Anomalous Auto-start Registry

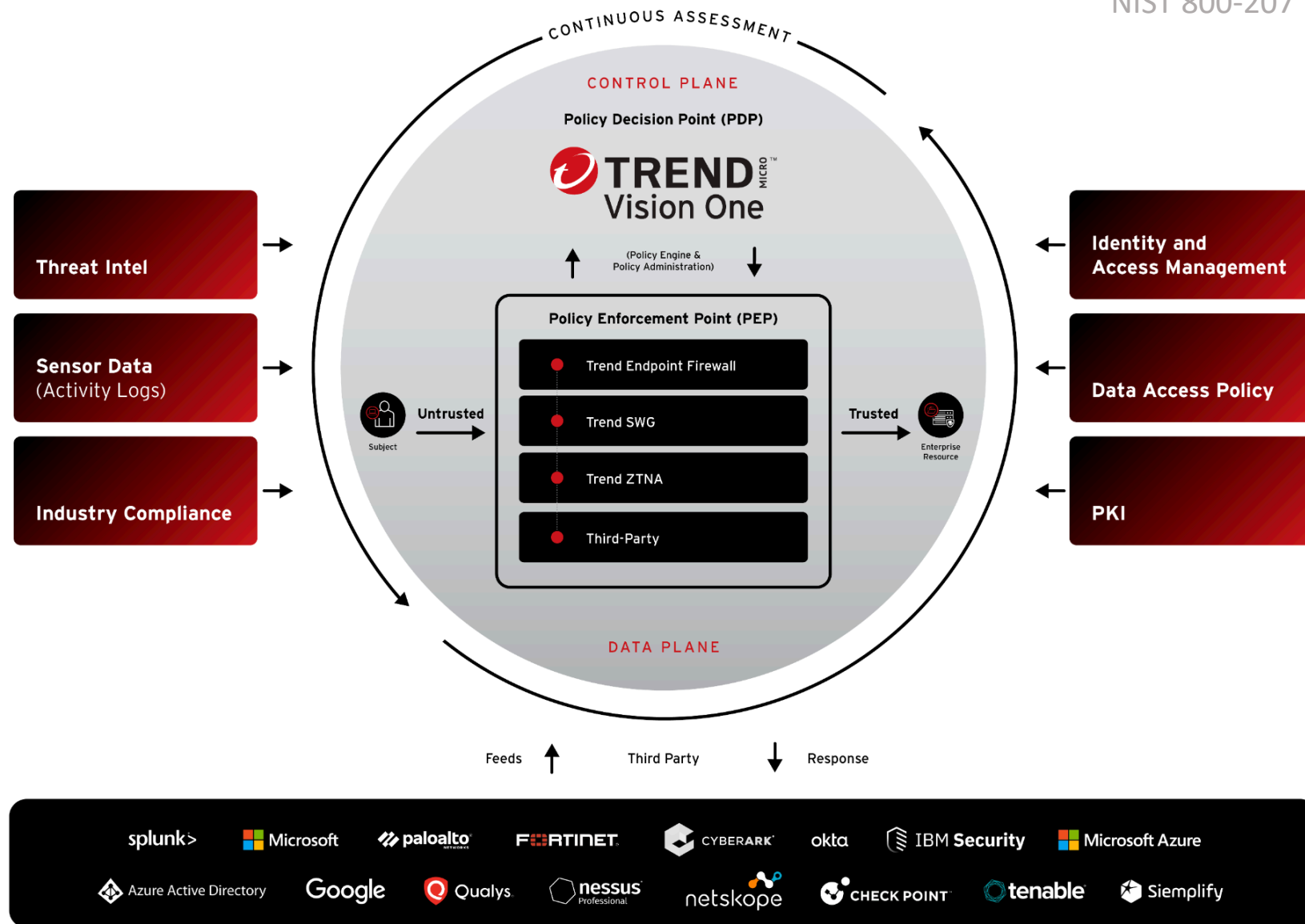


OUR VISION

Assist customers operationalize Zero Trust with the most accurate analysis of risks and threats in their environment.

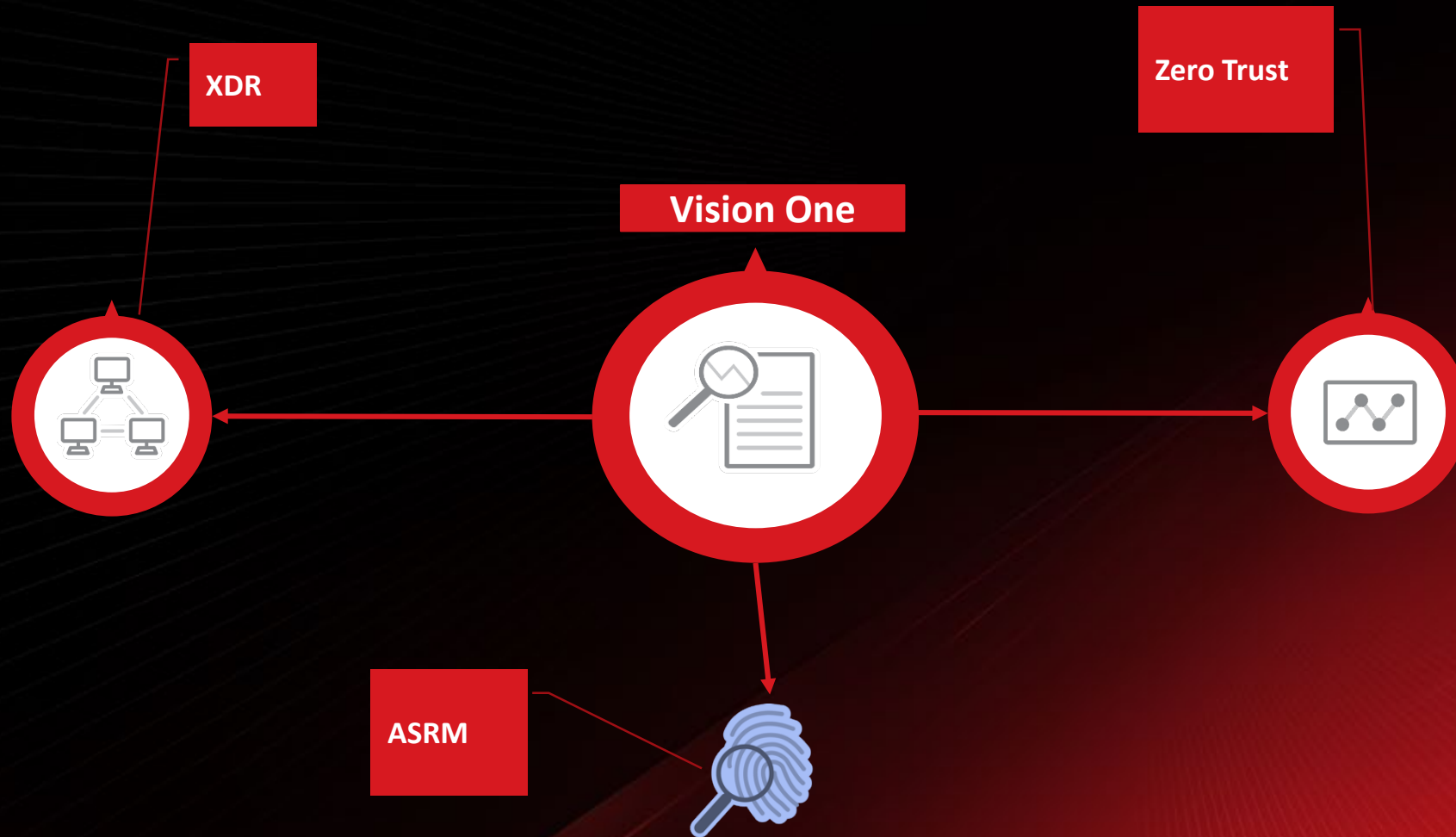
Through continuous risk assessment, we empower customers to see more and respond faster with automation and guidance.

Operationalizing Zero Trust



Sample integration partners. Full list here:
https://www.trendmicro.com/en_us/partners/alliance-partners/explore-alliance-partners.html

The Vision One



Leverage Existing Investments | Zero Trust

ASRM



Risk reduction minimizes threat alerts while threat activity helps to assess and contextualize risk

XDR



Zero Trust controls dynamically reduce the attack surface and slow attackers down



XDR and identity telemetry provide more context to Zero Trust controls

Zero Trust Implementations

Leverage Existing Investments | Zero Trust

Enable flexibility and mobility within the workforce

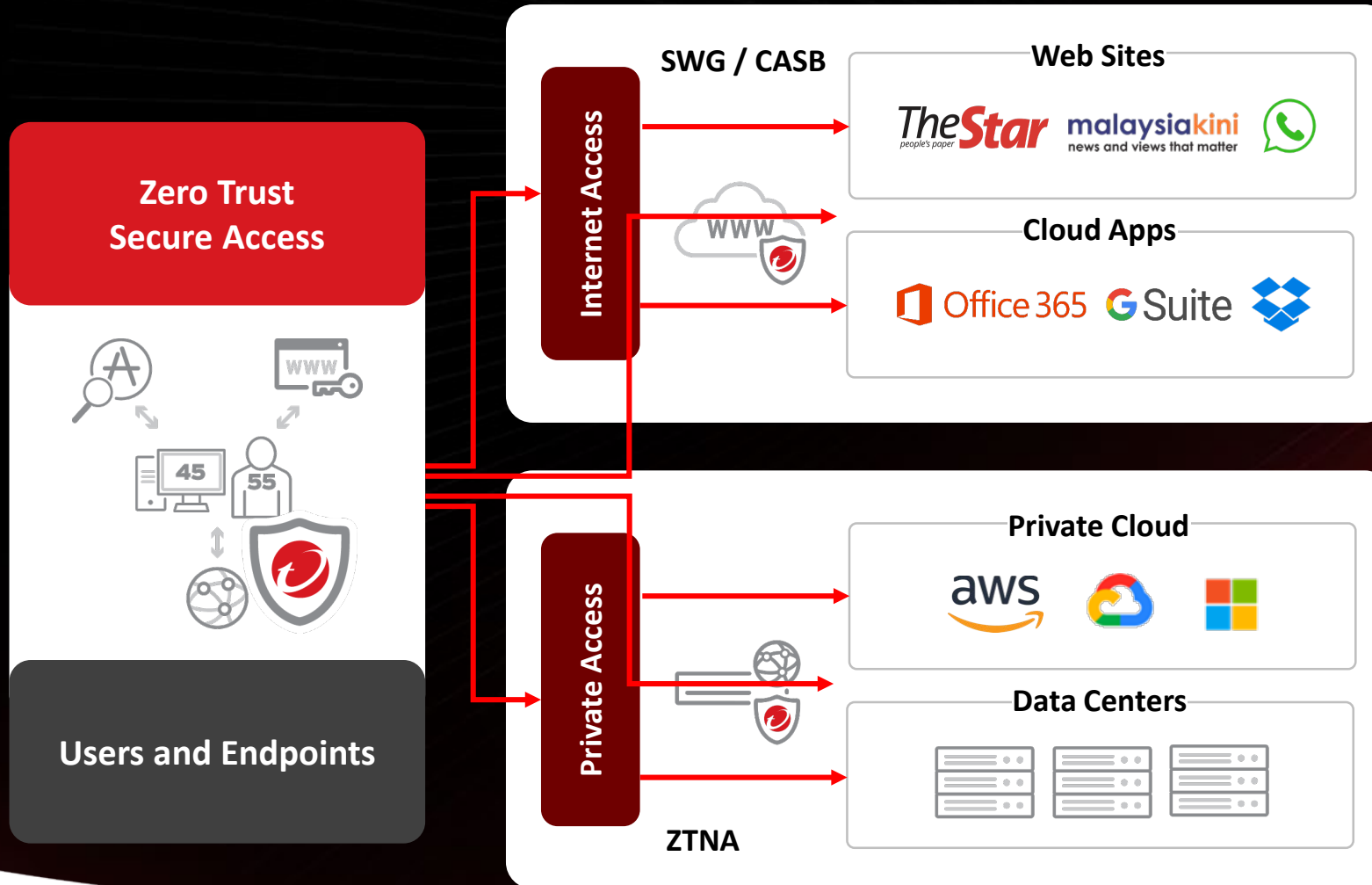
Decrease cyber attack-related downtime and improve overall security posture

Minimize reliance on outdated VPN technology

Integrate Zero Trust Network Access, Secure Web Gateway, & Cloud Access Security Broker

Meet regulatory requirements and align to Zero Trust principles by default

Zero-trust Capabilities with Vision One



1. Secure Access to the Internet

2. Deliver fast and secure access to cloud apps

Previous state

- Users and endpoints are automatically allowed network and Internet access.

3. Transform your remote access solution

Used Case 1: Zero-trust Policy Based Access

Zero Trust
Secure Access



HR Staff

HR Staff Group
Web Policy Check

PERMITTED ACCESS

Access to <http://www.office365.com>

RDP to [active-directory-server](#)

HR Staff Group
Network Access Check

PERMISSION DENIED

Internet Access

SWG / CASB

Web Sites



Cloud Apps



Private Access

Private Cloud



Data Centers



ZTNA

Used Case 2: User Risk Based Defense

Zero Trust Secure Access



User

25

User Risk Score

Current: Low Risk Score

Internet Access

SWG / CASB



Web Sites



Cloud Apps



Private Access



ZTNA

Private Cloud



Data Centers



Used Case 2: User Risk Based Defense

Zero Trust Secure Access



User

37

User Risk Score

Current: Low Risk Score

Monday: Receives a suspicious email

Internet Access

SWG / CASB



Web Sites



Cloud Apps



Private Access



ZTNA

Private Cloud



Data Centers



Used Case 2: User Risk Based Defense

Zero Trust Secure Access



User

74

User Risk Score

High-risk Zero-Trust Policy Trigger

Actions:

- X Force Sign-out
- X Blocks Access to Internet
- X Blocks Access to Internal Apps

Current: Low Risk Score

Monday: Receives a suspicious email

Tuesday: Detected with a suspicious traffic and behavior

✓ You're signed out of Office 365

Your organization's IT policy signs you out of Office 365 after a period of inactivity. [Sign in again.](#)

Internet Access

SWG / CASB



Web Sites



Cloud Apps



Private Access



Private Cloud



Data Centers



ZTNA

Used Case 3: Device Posture Policy

Zero Trust
Secure Access



User

Device Posture Policy

Actions:

X Blocks Access to Apps and
Data Centers

- ✓ Updated Operating System
- ✓ Located in Malaysia
- ✗ Joined to domain

Internet Access

SWG / CASB



Web Sites



Cloud Apps



Private Access

ZTNA

Private Cloud



Data Centers



Key Takeaways....

- Simplify Security Complexity and Reduce Operation Costs with Trend Micro Unified Cyber Security Platform (Vision One)
- Handle the XDR resource demand with Trend Micro MXDR services
- Accelerate and Transform your Cybersecurity outcomes with Trend Micro as your Trusted Cybersecurity & Cloud Partner



Thank you!