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Secure Tomorrow

SINC

Balancing AI with The Indispensable Human Element in Cybersecurity

Michael Leland
Chief Cybersecurity Evangelist

Will robots take your job? Humans ignore the coming AI revolution at their peril.

STEPHEN HAWKING WARNS ARTIFICIAL INTELLIGENCE 'MAY REPLACE HUMANS ALTOGETHER'

Will AI replace Humans?

This time, the robots really are coming.

HUMAN VS AI

How will the Artificial intelligence replace workers?

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Will Robots Replace Humans?

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Or Will Humans and Machines Create Greater Value Together?

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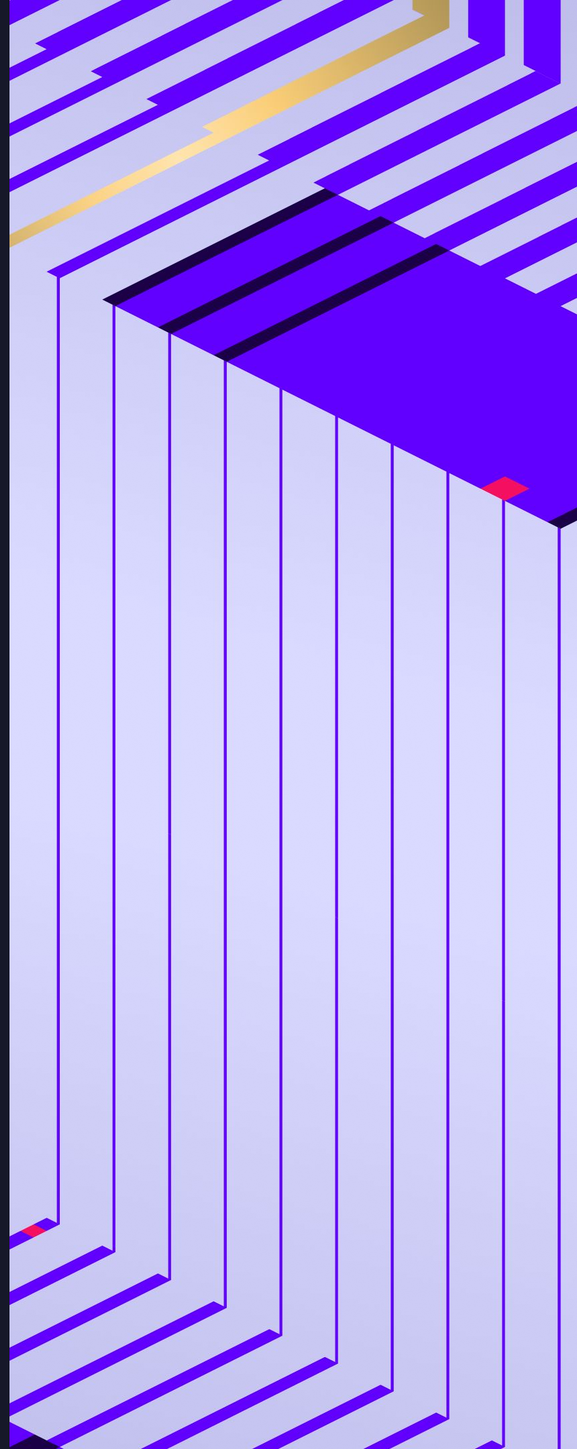
Cybersecurity Challenges



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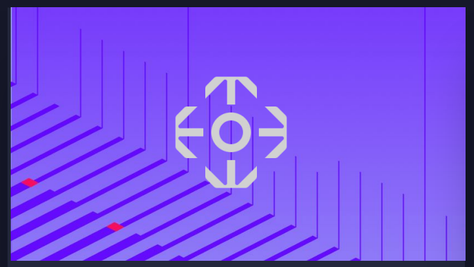
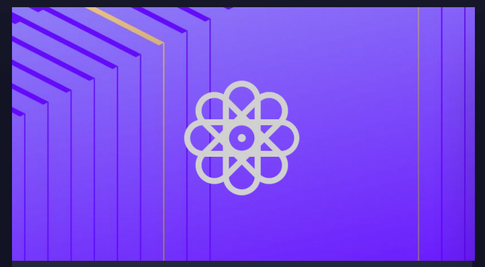
Challenges We Hear From Customers



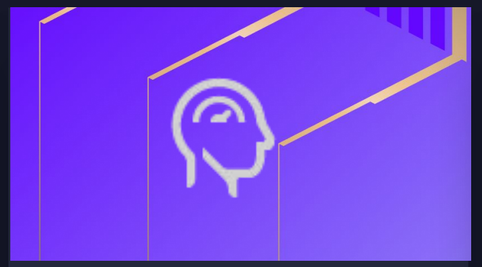
Rapidly Expanding Attack Surfaces

Stealthy, advanced threats that continue to evade even the best defenses



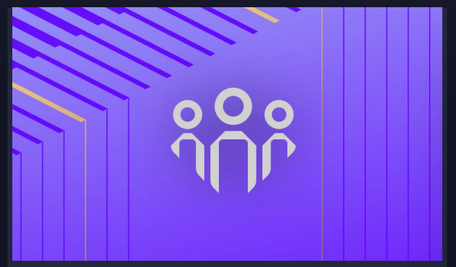
Complex Multi-Vendor Security Stack

Increasing level of complexity as vendor footprint expands without integrated workflows



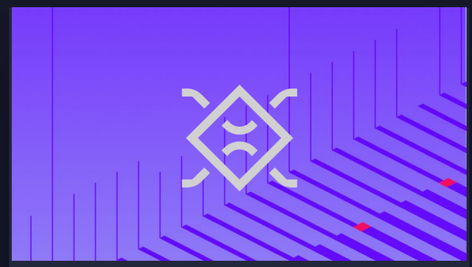
Manual Triage & Investigation

Disconnected, alert-centric tools with alerts that lack context and correlation



Cybersecurity Skills Shortage

Lack of skilled SecOps practitioners with insufficient domain expertise



Reactive Processes & Flows

Manual orchestration of responses that happen at individual control points and at human speed

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Who can identify this relic?

Complexity is the Enemy Of Security

Data

- Endless Data Feeds
- Decentralized Data Silos
- Multiple Query Languages

Infrastructure

- Cloud – PaaS, SaaS, IaaS and FaaS
- Application Proliferation
- Corporate Owned vs BYOD

Configuration

- Policy Exceptions
- Privileges & Entitlements

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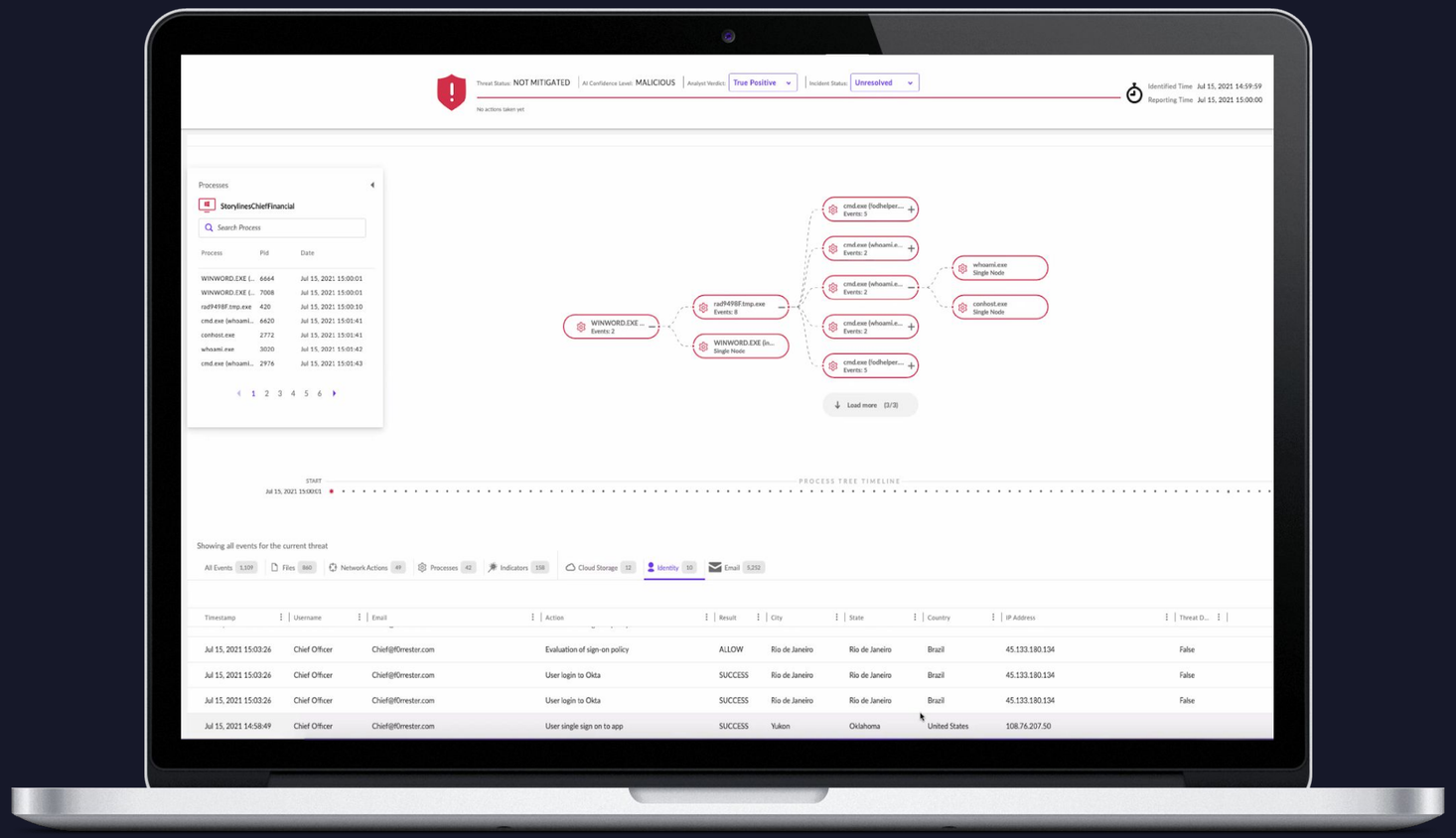
The Quest for Optimized Security Operations

Single Pane of Glass...



...or Single **Glass of Pain?**

10+
Vendors

25-49
Tools

57%
Customers claiming to be impacted by skills shortage

Cybersecurity ~~Labor~~ Skills Shortage

Not enough gray-matter for a manual solution

62%

of organizations are currently understaffed

3-6 months

time majority of positions take to fill, and 10% are never filled

4 million

shortfall of qualified cyber professionals by end of 2024

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Signal : Noise Reduction is Critical

Trillions
of Rows of Raw Data

Millions of
Enriched Storylines

Handful of Actionable
Campaign-Level Incidents

- Endpoint
- Email
- SIEM
- Network
- Firewall
- Cloud
- Identity

- Reduce Alert Fatigue
- Accelerate Triage
- Improve SOC Efficiencies
- Minimize Dwell Time

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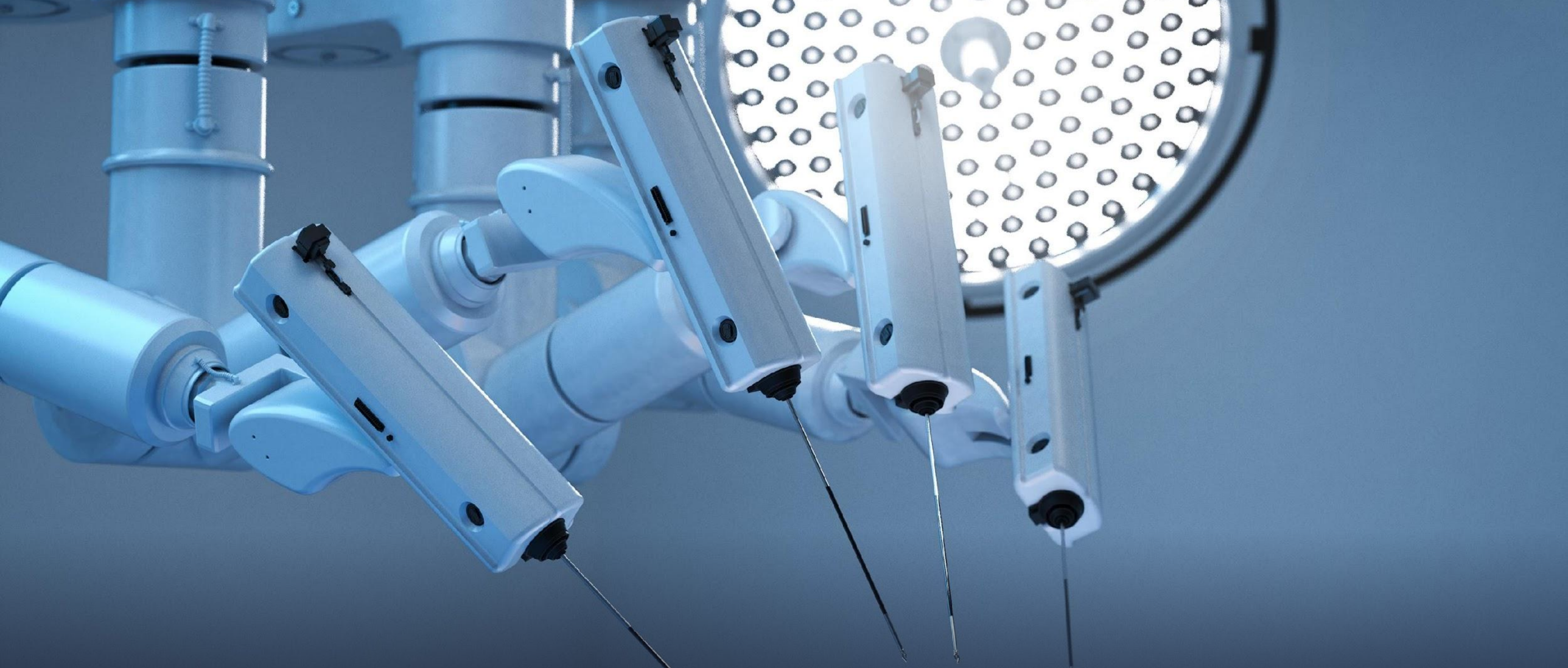
Can AI Tell the Difference?



Are You Equally Comfortable with 90% Accuracy in This Scenario?

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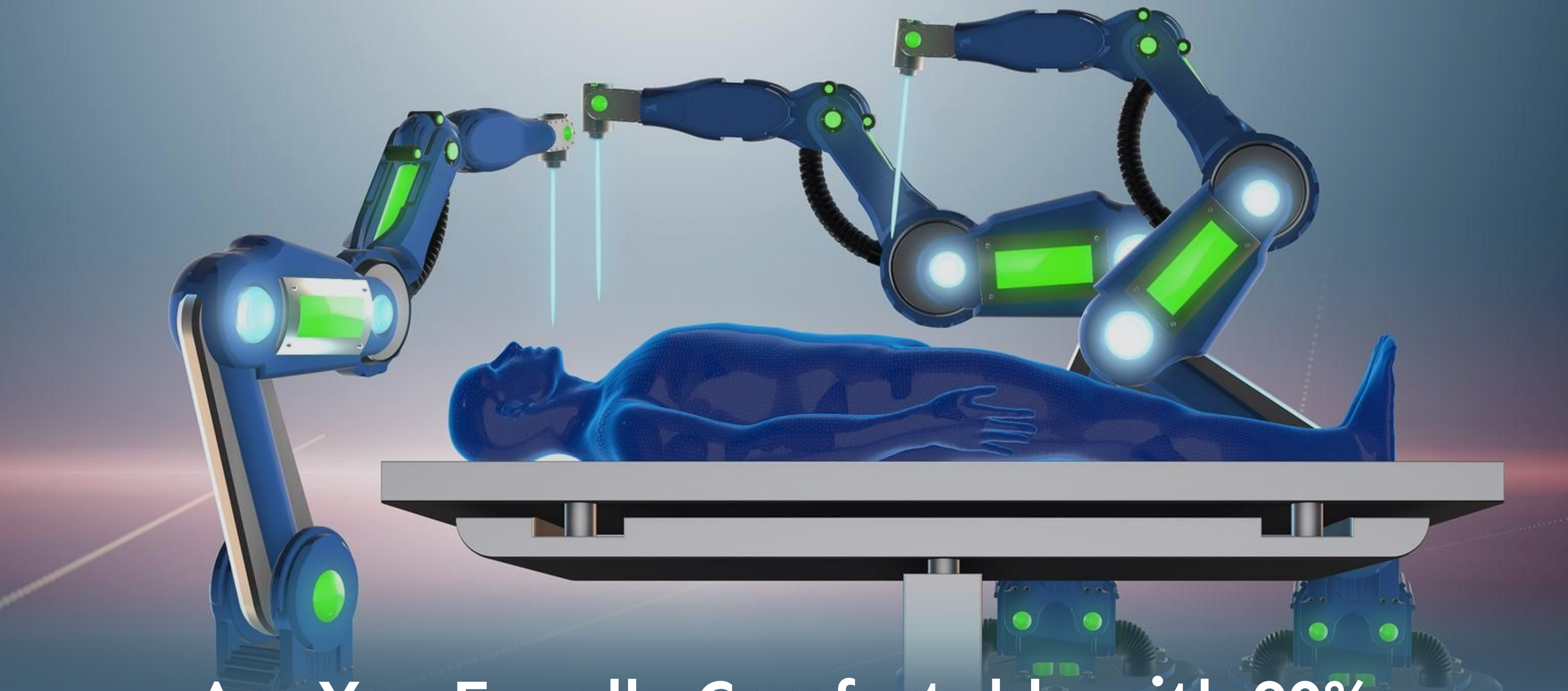
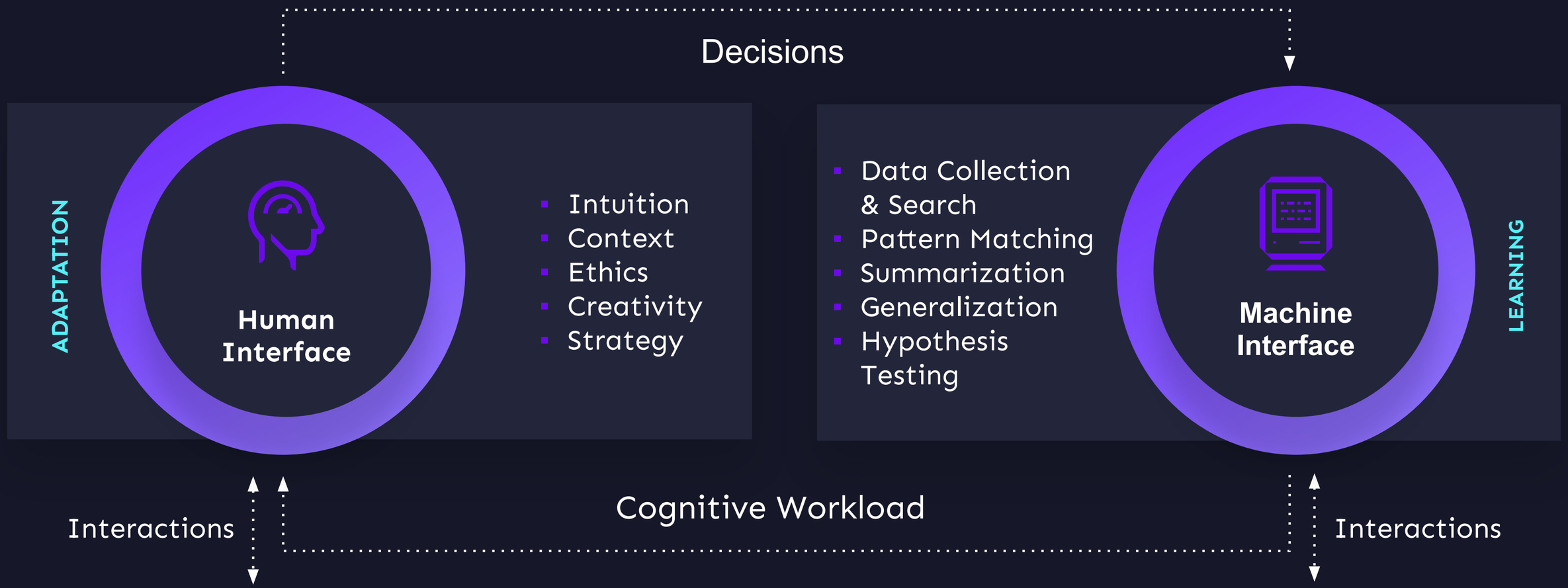
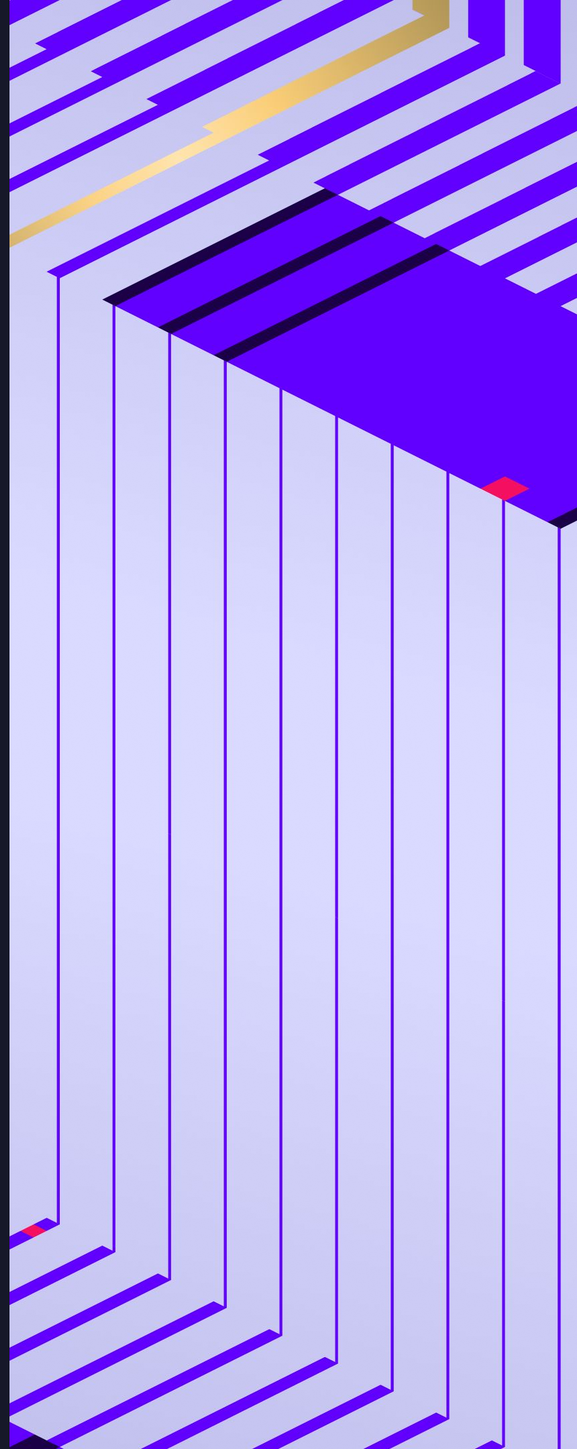


Are You Equally Comfortable with 90% Accuracy in This Scenario?

A Time & Place for Machines



SOC as a Proofpoint



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Challenges Facing Today's SOC

Disparate Data Silos

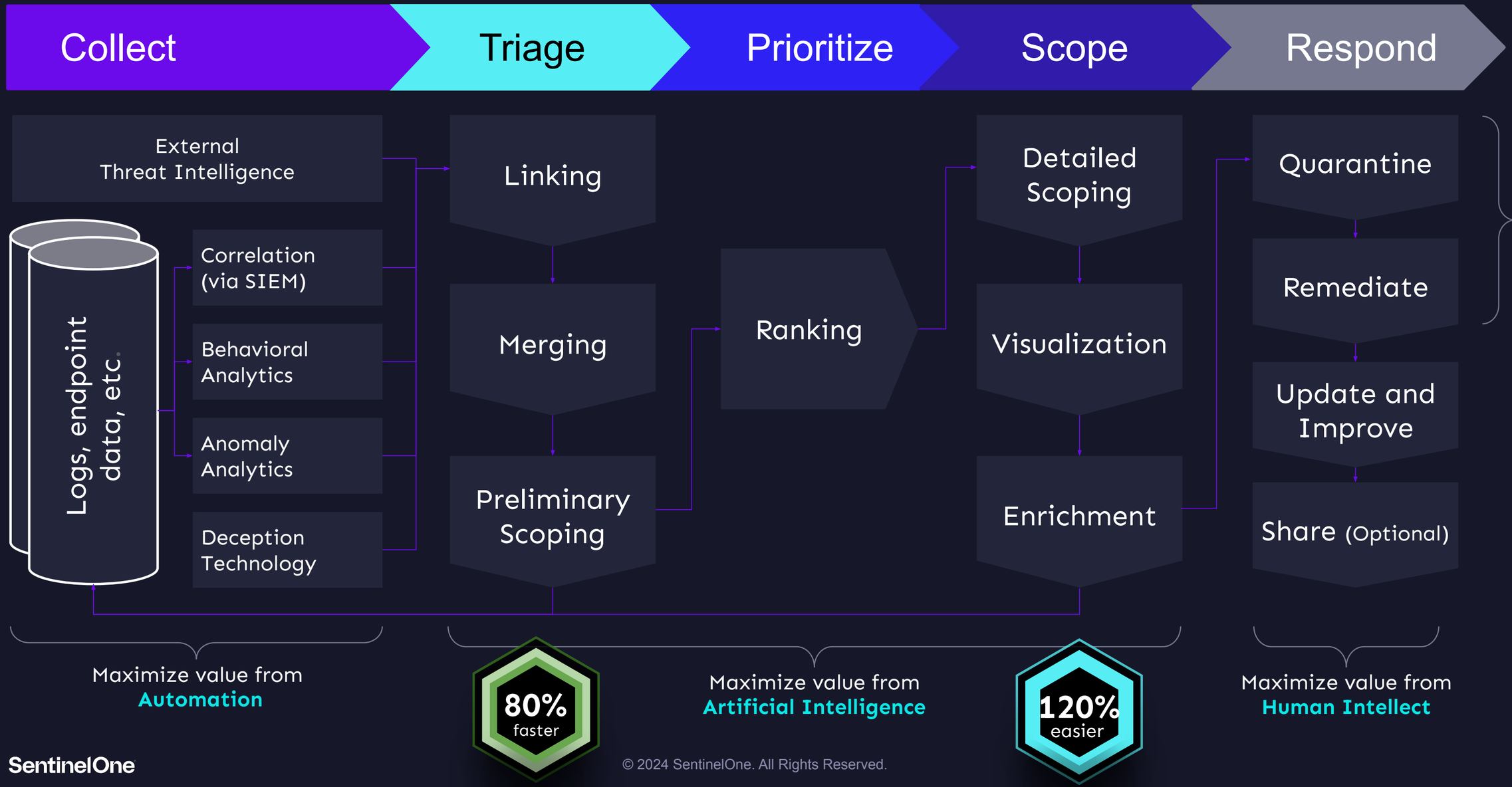
66%
customers admit siloed tools lead to missed detections

Data Retention

25%
threats go untriaged

Skills Shortage

Workflow of an Attack Investigation



The Rise of AiSecOps

Purple ai

Maintain an advantageous imbalance of work between attackers and defenders

Reduce the number of tools and contexts needed to be secure

Improve the velocity and accuracy of threat detection, triage, investigation and remediation

Provide a single, conversational experience for SOC analysts to hunt, discover anomalies and investigate threats

Connect disparate signals from ALL security data into actionable findings and prescriptive recommendations

Drive down the cost (and time) to secure your environment

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Benefits of Human-Machine Teaming

Simplified Triage

- Natural Language Queries
- Automate Data Gathering
- False-Positive Reduction
- Signal from Noise
- Reduced Complexity

Integrated Response

- Conformity of Actions
- Designed for Repeatability
- Improve Confidence
- Reduce MTTD & MTTR

Staff Efficiencies

- Reduce FTE Requirements
- Automate / Replace Tier 1
- Analyst Coaching
- Reduce Alert Fatigue

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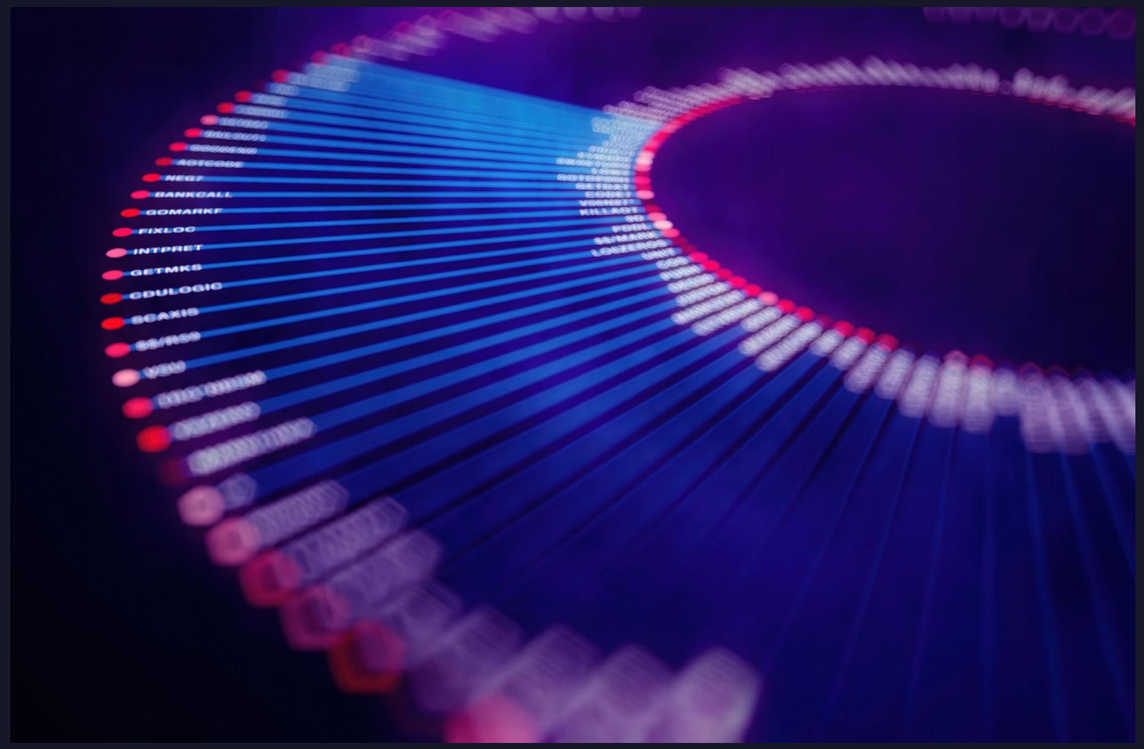
The Whole Is Greater Than The Sum Of Its Parts

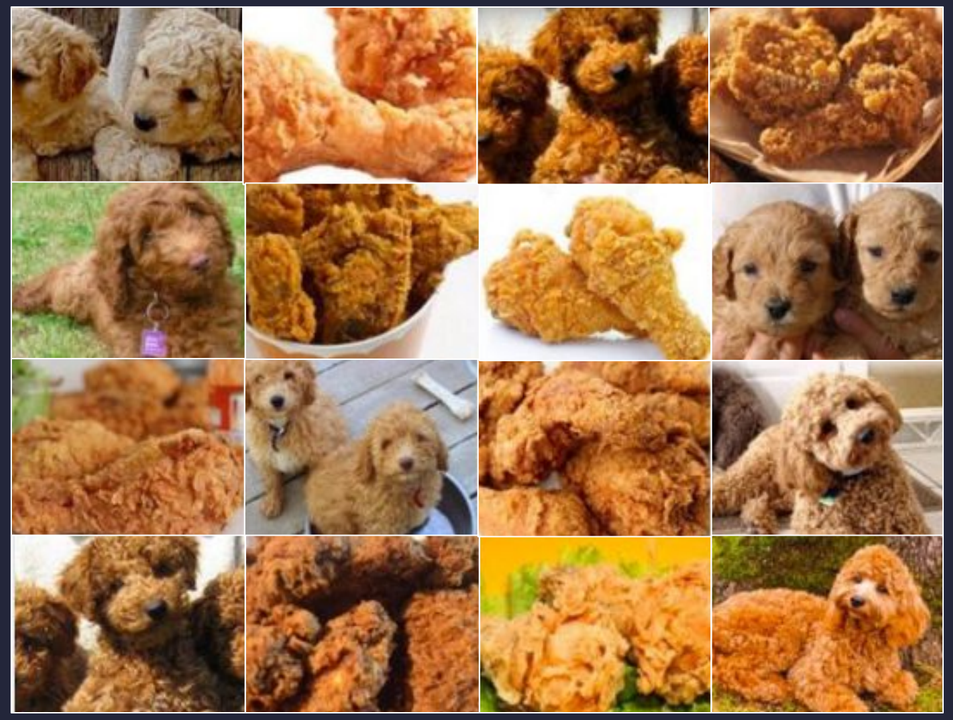
Complex Data Analysis



Human Intellectual Capital

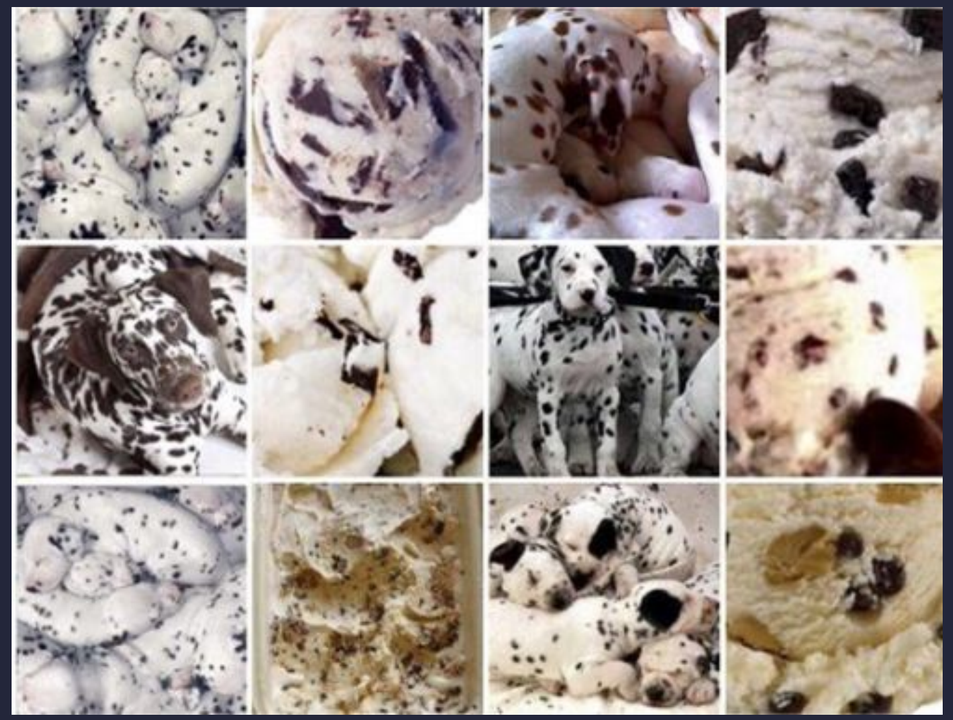
The Whole Is Greater Than The Sum Of Its Parts

AI: 90% Accurate



Fried Chicken or Labradoodle?

Humans: 100% Accurate



Chocolate Chip Ice Cream or Dalmatian?

Humans and Machines are **Better Together!**

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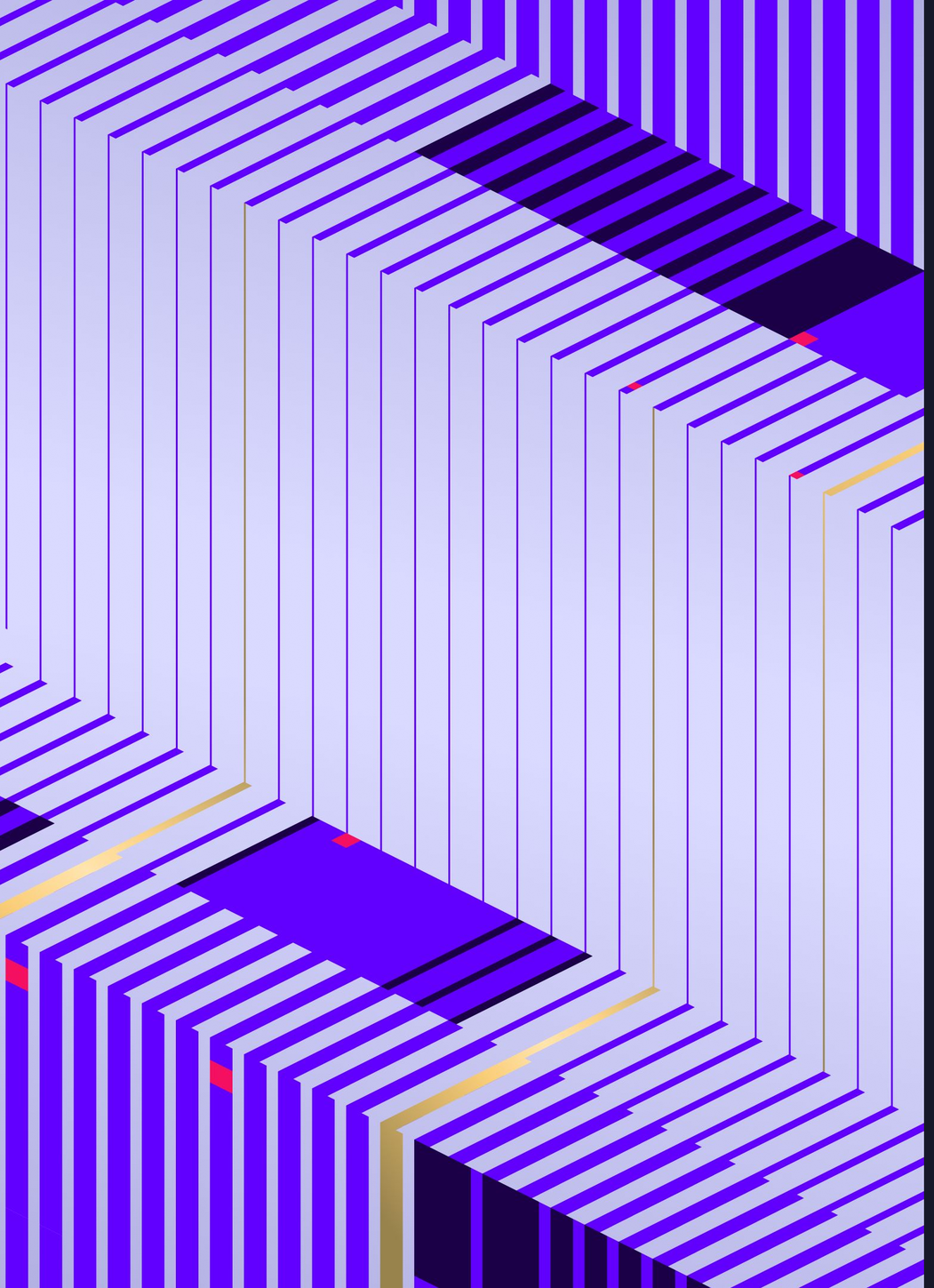

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Thank You!