

TRUSTED SIGNAL IS EVERYTHING

# Attack Signal Intelligence for the Agentic SOC

AI agents are only as good as the signal they reason from.

Vectra AI Pro Platform - Three paths to the Agentic SOC



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## THE SHIFT

# Attacks move at AI speed now.

They don't hack in. They log in. Now they do it at machine speed. It helps to see the shift clearly before choosing your next move.

### Timelines compress from days to minutes

Post-Mythos, attacks can be planned, adapted, and executed at AI speed across identity, cloud, SaaS, and network at once.

### Reducing mean time to respond is the game

That pressure is driving the SOC from human-centric workflows to agentic workflows, where AI agents help investigate and take response action.

### The shift is real, and it is fast

Exploits outpace patches, AI agent identities expand the attack surface, unmanaged devices create blind spots, agentic AI attacks move faster than defenders, and multi-domain attacks are now the norm.

## THE NEW TEMPO

# Days → Minutes

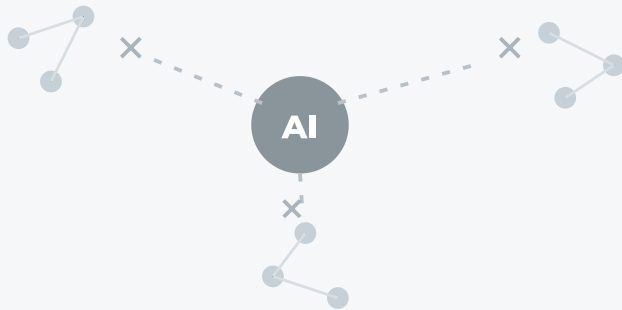
Attack timelines are collapsing as adversaries plan, adapt, and execute at AI speed.

As leaders make that shift, one question becomes urgent: what is the AI reasoning from?

# AI Agents are only as good as the signal it reasons from

AI agents can summarize, search, correlate, recommend, and act. But in security operations, those capabilities only create value when they are grounded in trusted signal.

## ● WITHOUT TRUSTED SIGNAL



Data stays siloed and disconnected. The agent sees fragments it cannot link into one story, so it reasons without the full context.

Too much data, too little clarity, and too much work

## ● WITH TRUSTED SIGNAL



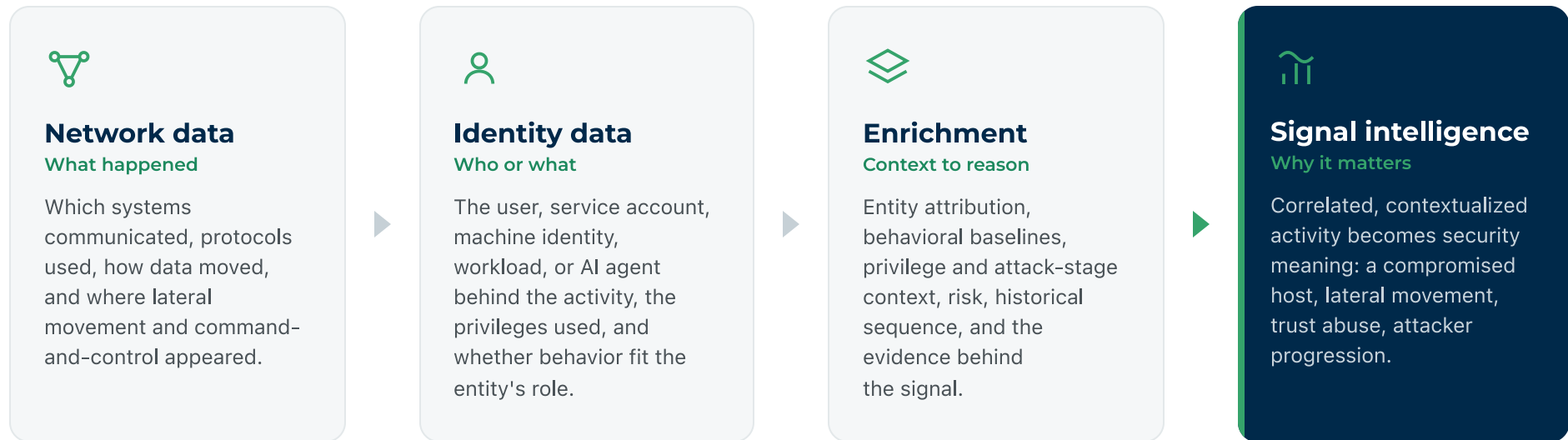
Data is completed, correlated, contextualized, and enriched, so signal intelligence turns activity into one clear security meaning.

Agents and humans move faster and make better decisions

Without trusted attack signal intelligence, agentic AI just automates and amplifies noise. Speed without trusted signal makes bad decisions faster.

# How trusted signal is built

Raw activity becomes trusted signal intelligence in four layers, each one adding to the last.



**Vectra AI correlates signal across network, identity, cloud, and SaaS,** and pulls in context from ecosystem EDR and SASE partners.

# Network and identity: the two data sources agents can't reason without

## Network answers **what happened**

Attacks increasingly unfold between endpoints, not on them. **1 in 3 devices has no EDR agent**, and network data sees what endpoint tools cannot.

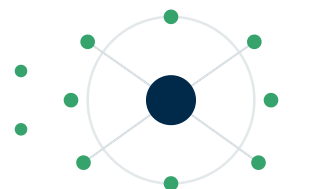
- Which systems communicated
- Which protocols were used
- How entities interacted
- Where lateral movement appeared
- Where C2 appeared
- How data moved
- Which unmanaged systems participated
- How patterns changed over time



## Identity answers **who or what**

Identity is the primary control plane of the modern enterprise, and **80% of attacks now involve identity compromise or abuse**. Non-human identities can outnumber humans by as much as 109:1.

- Which user, service account, machine identity, workload, or cloud identity was involved
- What privileges or access were used
- How authentication and access patterns changed
- Which trust relationships were used
- Whether the activity aligned with the entity's normal role
- How identity behavior connected to network behavior



**Network tells you what moved. Identity tells you who moved it. You need both to see the attack.**

## Enrichment and signal intelligence: turning activity into meaning

### Enrichment adds context to reason

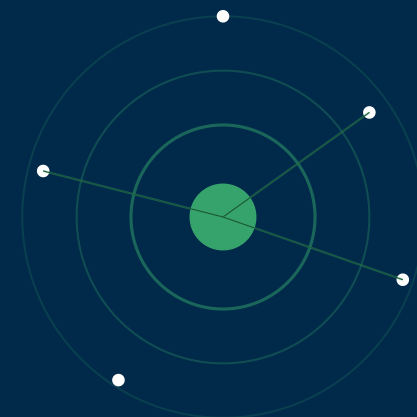
- Entity attribution to the right host, account, identity, device, workload, or system
- Behavioral baselines: normal, unusual, rare, or suspicious for that entity?
- Privilege, attack-stage, risk, and evidence context mapped to attacker progression

### Attack Signal Intelligence says why it matters

- A host or account behaves like it may be compromised, or moves laterally
- A service account shows misuse; a pattern suggests command-and-control
- A cloud or SaaS action indicates trust abuse; an unmanaged system joins an attack path

"For us, Vectra AI brings together correlated network, identity, and cloud signals with the context to understand what happened before, what happened afterwards, and the full attack story. That helps us compress investigation and response, act with greater confidence, and stay ahead of attackers."

**AJ Wiggan** · Security Operations Manager, Gamma



**Attack Signal Intelligence arms both humans and AI agents to see the full attack story faster and respond with confidence.**

CHOOSE YOUR PATH

# One platform. Three paths to the agentic SOC.

Same AI. Same Attack Signal Intelligence. Pick the path that fits your team.



## BUILD

### Build your own agentic SOC

For security architects, detection engineers, and AI SOC partners building their own AI-driven SOC architecture.



## ADD

### Add agentic workflows

For teams strengthening the SOC they already run. Vectra AI Pro adds agentic workflows out of the box, powered by the same trusted signal.



## OPERATIONALIZE

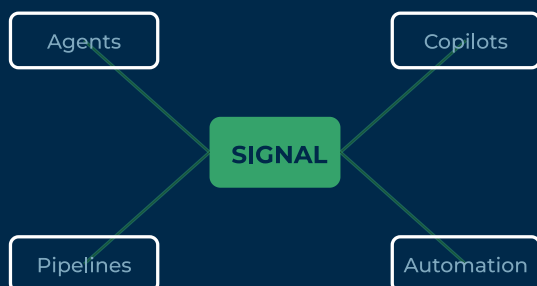
### Operationalize with experts

For teams that want help putting AI and Attack Signal Intelligence to work day to day.

## PATH 1 • BUILD

# Build your own agentic SOC

**For:** Security architects, detection engineers, and AI SOC partners building their own AI-driven SOC architecture.



SIGNAL INTELLIGENCE FOR THE AGENTIC  
SOC

## What Vectra AI provides



### Behavioral detections

High-fidelity, domain-specific detections across network, identity, cloud, and SaaS.



### Network metadata

Protocol-level evidence behind every signal, from DNS to lateral movement.



### Identity context

Who or what was involved, and how access, roles, and trust were used.



### Entity attribution

Connects signal to the right host, account, identity, workload, or system.



### API-accessible signal

Programmatic access to detections, entities, and enriched metadata.



### MCP-ready access

Open-source resources to connect AI agents to Vectra AI signal, live for a year.

## WHAT YOU GET

**Control and extensibility.** You own the architecture, and Vectra AI grounds it in signal your agents can trust.

# Add agentic workflows

**For:** Teams adding agentic capabilities to the SOC they already run.

You don't rebuild the SOC. You get the **same domain-specific behavioral detections, network metadata, identity context, and entity attribution** as the Build path, plus agentic workflows out of the box that detect, correlate, triage, and prioritize, then build a natural-language case that explains itself.

## What the agentic workflow adds

### AI triage, correlation, and prioritization

Connects related activity across network, identity, cloud, and SaaS, then ranks hosts and accounts by attack progression, severity, velocity, breadth, rarity, and entity importance.

### Attack graphs

See the shape of an attack across entities and domains instead of reviewing isolated alerts. Identify patient zero and blast radius.

### The natural-language case

Answers why the threat was prioritized, what evidence proves it, how activity connects across entities and domains, and what actions to take with confidence.

## ONE ATTACK, ONE GRAPH



From isolated alerts to a connected story across entities and domains.

## PATH 2 · ADD

### Agentic investigation

Autonomously correlates detections, queries underlying metadata, reconstructs the attack chain, and delivers an evidence-backed incident summary with prioritized response recommendations, working alongside analysts.

### AI-assisted investigations

Pivot from signal to supporting evidence, explore metadata with AI-assisted search, and run curated hunts across hybrid environments.

### AI-assisted hunting

Test hunt hypotheses, uncover suspicious behavior that never started as an alert, and turn successful hunts into repeatable workflows.

### AI-enabled response

Lock down compromised identities, isolate hosts through EDR, and block attacker communications through firewall integrations, manually or automatically, with human-in-the-loop always in control.

## What your peers say

Less noise, faster response, more efficient SOC

### Globe Telecom



Incident response from 16 hours to 3.5 hours, attacks contained more than 75% faster, alert noise cut 99% and escalations 96%, protecting services for 80M+ customers.

### Luxgen Motor



92.6% reduction in alert noise and 95.3% reduction in escalations, with a team of fewer than five.

"Investigating Vectra AI alerts takes 100 to 1,000 times less effort than dealing with raw firewall logs. The platform gives us context we used to spend hours trying to build ourselves."

**Sébastien Wojcicki** · Head of Operations & Security Excellence, Advens

# Operationalize with experts

**For:** Teams that know where they want to go with AI but need help making it work day to day.

## What Vectra AI experts help you do



### Integrate

Align signal to your escalation paths, investigations, response, and daily tools.



### Monitor

See what is happening across the enterprise and where risk is emerging.



### Hunt

Turn threat hunting into a repeatable SOC practice with reusable workflows.



### Optimize

Find tuning opportunities and gaps for cleaner signal and clearer priorities.



### Respond

Validate signal and guide next steps, with humans in control of key actions.



### Prove

Translate the work into evidence of measurable, ongoing progress.

## THE OUTCOME

Move from AI experimentation to daily SOC execution, with proof that exposure is down, response is faster, and controls are effective.

## HOW TO GET STARTED

# Start with three questions

**01** What security questions do your AI agents need to answer?

**02** What signal, metadata, and context do those agents need, and where should it flow?

**03** How much help does your team need: **build**, **add**, or **operationalize**?

The agentic SOC runs on trusted signal intelligence. Get the signal right, and AI makes your team faster, sharper, and more resilient. Get it wrong, and it just scales the noise.

**Trusted signal is everything.**

[See how Vectra AI powers the agentic SOC →](#)

[Talk to Vectra AI about your path →](#)

## About Vectra AI

Vectra AI is the leader in AI-native security and observability. Vectra AI delivers organizations real-time visibility into their network, clear insight into which behaviors matter, and the ability to act before risk becomes impact. By connecting on-premises, multi-cloud, identity, SaaS, edge, and IoT/OT infrastructure, Vectra AI helps organizations reduce exposure, accelerate detection and response, and automate security operations with AI. With over a decade of AI and ML innovation, 39 patents, and a Leader in the 2025 and 2026 Gartner Magic Quadrant for Network Detection and Response, Vectra AI empowers security teams to stay ahead of emerging AI-powered attacks, increase **operational efficiency**, and **prove resilient in an increasingly complex, AI-driven world**.



**For more information please contact us:**

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