5 Keys to Building an Adversary-Ready SOC

Your Blueprint for Human-Led, AI-Powered Modern Security Operations

CROWDSTRIKE

Presented by:

TD SYNNEX Public Sector | DLT

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Modernize Your SOC to Outpace Adversaries

Protectors are in a never-ending race against time to find and shut down threats. Today's adversaries are faster and stealthier than ever, using legitimate tools to carry out lightning-fast, hands-on-keyboard attacks while staying under the radar.

51 sec **fastest recorded eCrime breakout time[1]**

But security teams burdened with legacy tools struggle to match the speed of attackers. Security information and event management (SIEM) systems, once heralded as the single solution for incident response, have failed to fulfill their promise. As log volumes and sources proliferate, their poor scalability and high costs prevent teams from collecting and retaining all data in their SIEMs. Patchwork architectures of legacy SIEMs, data lakes, and analytics tools have turned security analysts into data wranglers, wasting time pivoting between consoles and manually correlating data rather than attacks.

The complexities of the past impede teams' ability to secure the future. SOCs must transform so their organizations can face the threat landscape of today and tomorrow.

This transformation requires the ability for protectors to collect and analyze more data from more sources at massive scale to see the entire life cycle of an attack. And they need to fuse their data with AI to better understand and correlate data, detect threats, and accelerate investigation and response.

In this eBook, we define the vision of the modern SOC and provide insights and strategies on how to begin the transformation journey so security teams can survive and thrive in today's dynamic environment.

> **The threat landscape isn't just evolving, it's expanding rapidly through cloud, SaaS, and distributed environments. As a security team, we need to keep up with that pace of change, which requires a new level of speed and innovation.**
>
> **DJ Goldsworthy**
> VP of Security Operations at Aflac

[1] CrowdStrike 2025 Global Threat Report

MEASURING SUCCESS FOR SOC TRANSFORMATION

SOC modernization is a journey. Security leaders seeking to measure progress should anchor on tangible outcomes including:

- **Time to detect:** The time required to identify a security incident or threat after it has occurred
- **Time to triage:** How swiftly a security analyst can assess and prioritize incidents amid the sea of alerts to pinpoint the most impactful threats
- **Time to investigate:** The time it takes for a security analyst to understand the environment, get the required context to determine potential security threats before they manifest, and make an informed decision to prevent a breach
- **Time to respond and recover:** How quickly threats can be neutralized and systems restored to a known good state so there's minimal disruption to normal business operations

Security leaders should also consider operational costs, including ramp-up time to develop skilled and effective analysts and time to onboard key data in their tooling. By focusing on outcomes, CISOs can steer their organizations toward a more resilient and agile security posture that's better equipped to combat the ever-evolving threat landscape.

Challenges with Legacy SIEMs

Before delving into modern SOC design, it's important to understand the challenges that SOCs face today, particularly with their legacy SIEM solutions. Let's dive into how and why legacy SIEMs are holding teams back and creating an arduous analyst experience.

Slow detection and response times

Stopping modern attacks demands that security operations match adversaries' speed — and the average eCrime breakout time dropped to just 48 minutes in 2024, a decrease from 62 minutes in 2023.[1] Legacy SIEMs are slow, complex, and cumbersome, with searches that take hours and gaps that leave analysts struggling to extract the insights they need for rapid threat detection and response.

Data overload

Modern environments contain multitudes of security tools, making it costly and complex to get data into a legacy SIEM. Consequently, security engineers must spend excessive time and resources to manage data ingestion and maintain the complicated architectures of SIEMs, data lakes, and detection and response platforms.

Soaring SIEM costs that lead to blind spots

High SIEM costs compound risks by limiting data retention and analysis capabilities. For many organizations, it is cost-prohibitive to log and retain all of the relevant data needed for comprehensive threat detection and response. As a result, the SOC is left with blind spots and misses attacks.

Slow investigations without context

Every day, analysts sift through hundreds of alerts from disparate sources that are often full of false positives. To get the context they need during investigations, they painstakingly enrich data and perform slow, manual searches within legacy SIEMs, consuming valuable time cycles.

Fragmented response actions

Response actions and automation lack cohesion when dispersed across several disjointed tools. This fragmentation complicates incident response, prolonging adversary dwell time. Analysts grapple with inefficiencies in coordinating response actions, resulting in delayed threat mitigation and heightened repercussions from security incidents.

Overburdened SOC Teams

Nearly

50

security tools used by the SOC, on average[2]

67%

of daily alerts are ignored due to alert fatigue[3]

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2 IDC, How Many Security Tools Do Organizations Have, and What Are Their Consolidation Plans? Document number: #US51973524, Mar 2024

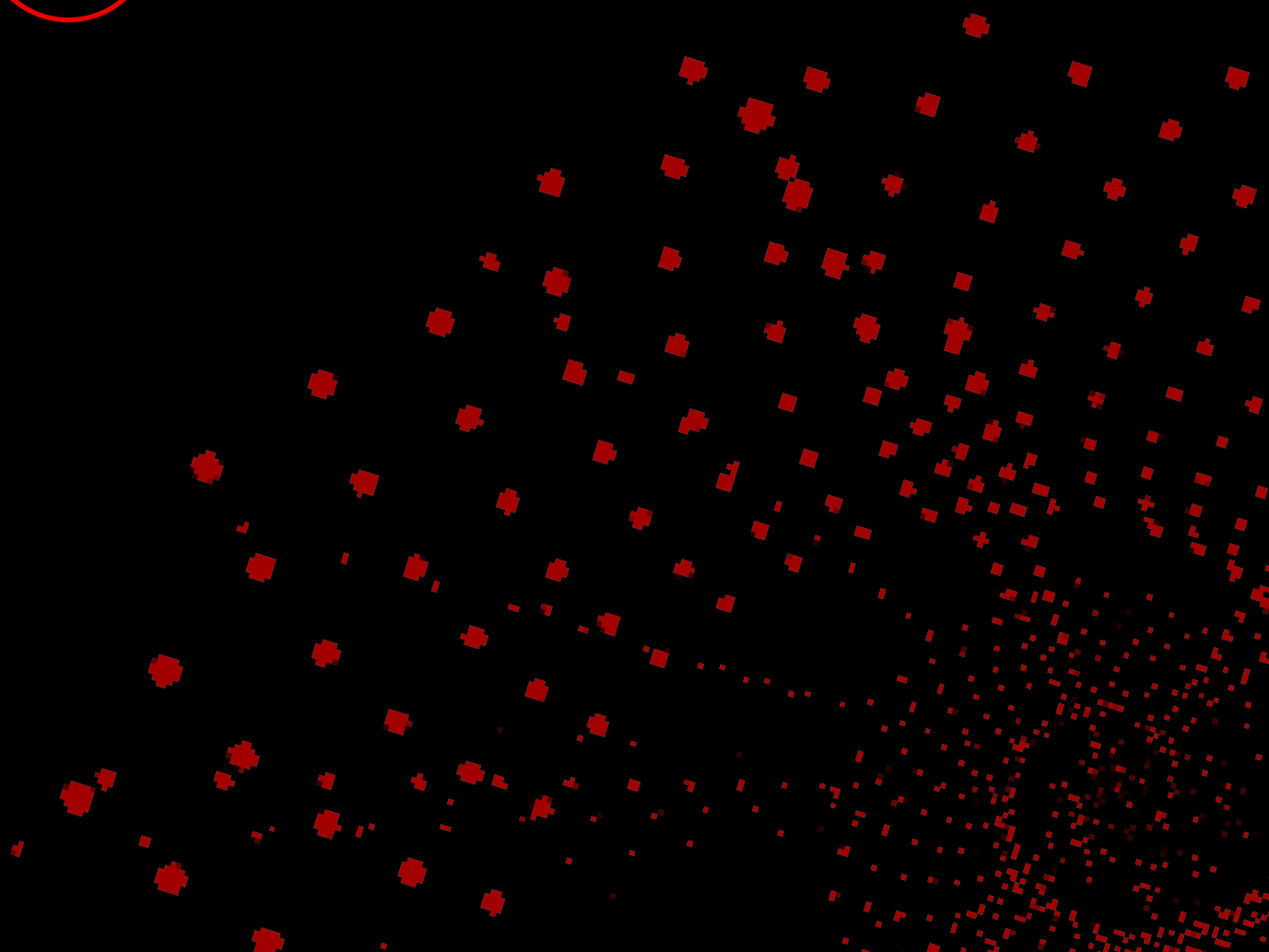
3 Vectra, 2023 State of Threat Detection

Transform Security Operations with a Modern SOC »

The days of siloed security are over. Today's SecOps teams need modern cloud-native data platforms — along with cutting-edge AI and automation — to analyze vast datasets, detect emerging threats, and expedite response. Modernizing security operations with a unified platform improves accuracy, efficiency, and speed across the threat detection, investigation, and response (TDIR) life cycle.

Let's delve into how to transform five key functional areas of security operations.

5 Key Functional Areas »



1 Frictionless Data Onboarding and Setup »

Legacy SOC

Data is at the heart of nearly every aspect of security operations, and legacy approaches to data collection fail to effectively scale. Ingesting and centralizing data is a complex process that requires extensive manual work and creates high costs. Due to exploding data volumes, SOCs are pressed to make budget-conscious choices on the data they analyze and to develop convoluted architectures, leading to "franken-SIEMs" with multiple data stores and replicators. Unable to analyze all of their data, SOCs are left with security blind spots.

Furthermore, SOC teams must gain context from the data to drive meaningful investigations. Data alone is just raw input. It must be enriched with human intelligence and context from incident response, managed detection and response (MDR), and threat intelligence to make it useful, valuable, and high-fidelity enough to be trusted for detections and investigations. Without enriched data with insights from these sources, the SOC will continue to face low-fidelity alerts and false positives that squander analyst time.

Modern SOC

The SOC of the future makes deployment effortless with flexible, simple data onboarding options.

Accelerate time-to-value and cut costs with key data already built in

In a modern SOC, the SIEM operates on the same platform as critical security tools like endpoint, identity, and cloud security. Teams can instantly access actionable data for detection, investigation, and response, eliminating the need to import it into their SIEM because it's already there. This platform consolidation accelerates deployment while streamlining operations and cutting data ingestion costs.

Bring in data from any source with prebuilt data connectors

Beyond native data, a modern SOC must seamlessly integrate additional data sources like firewall, email security, web, and network detection and response. To simplify this process, the modern SOC uses prebuilt connectors to ingest data as well as AI-powered large language models (LLMs) to generate parsers with minimal manual effort. Security teams can further simplify data management by augmenting the SOC with data pipeline management tools to stream, route, and filter data.

This contemporary data management approach offers simplicity, elegance, and efficiency. And by consolidating data origin, use, and storage within a scalable platform, it offers significant cost savings.

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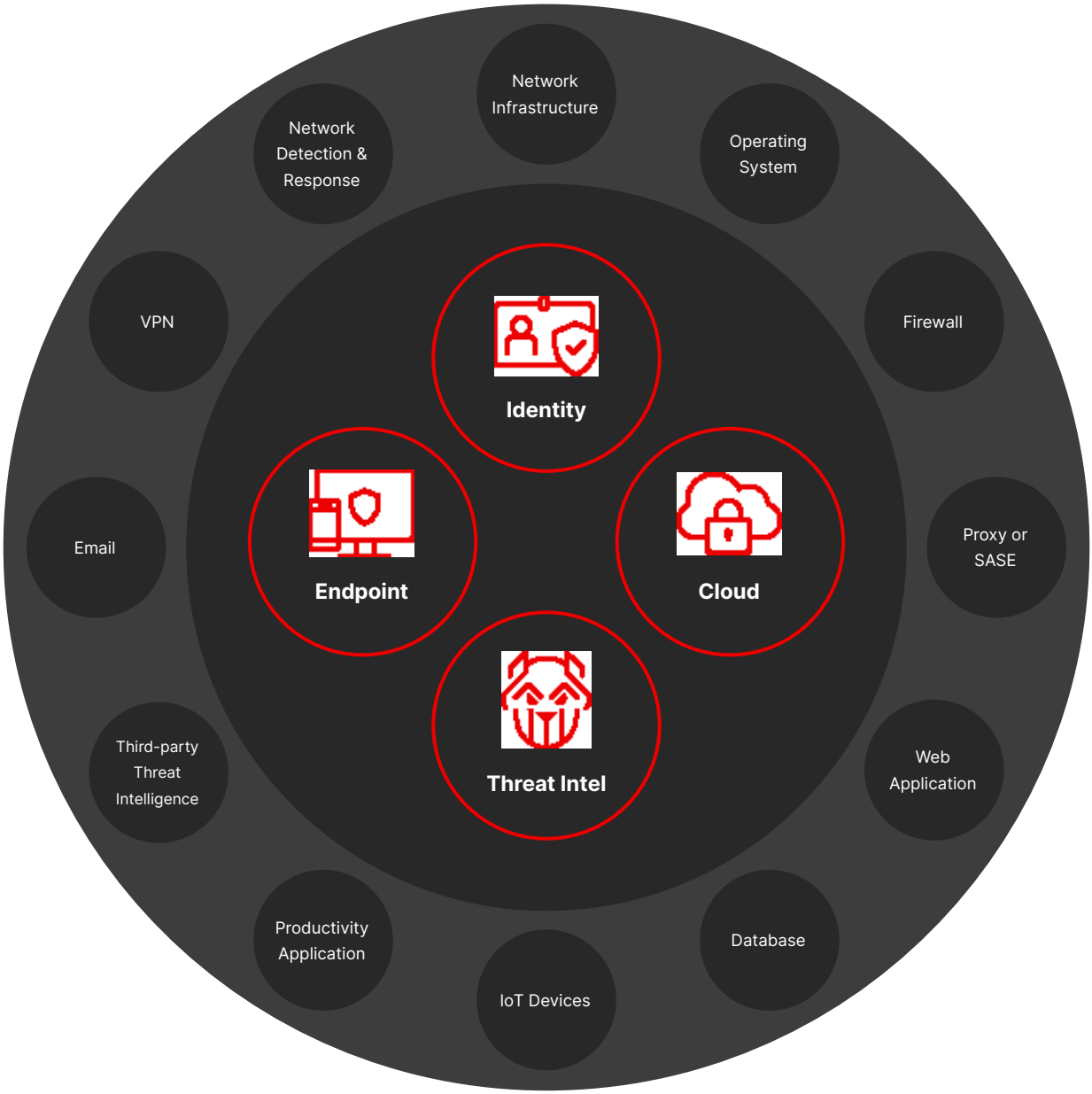
By automating key aspects of data processing, this approach extends visibility across diverse data sources while reducing complexity.

Strategic Data Onboarding

To ensure success with operationalizing your SIEM, start with key data sources such as endpoint, cloud, identity, and threat intelligence. Further extend visibility by onboarding additional data sources from across your environment.



2 Better Detection Powered by the Right Data, AI, and Deep Adversary Insights »

Legacy SOC

Legacy SOCs are inundated with alerts. Traditional SIEMs offer generic detection rules that can support a variety of data sources, but without tuning, these rules produce countless low-fidelity alerts. As a result, detection engineers must update and test rules with painstaking care or build custom rules tailored to their environment. It's a never-ending cycle of tuning to minimize noisy false positives.

Despite these tuning efforts, security analysts are overwhelmed by the sheer volume of daily alerts — an average of 4,484 alerts per day.[4] Because these alerts are generated by siloed tools, analysts often struggle to see separate indicators as part of the same attack. Effectively detecting threats and triaging this high volume of alerts is simply unfeasible. So despite their best efforts, teams leave up to 67% of alerts unaddressed.[4]

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4,484
average alerts per day for security analysts[4]

67%
of alerts go unaddressed by traditional SOCs[4]

Modern SOC

To achieve SOC transformation, teams must shift their mindset from creating and maintaining thousands of correlation rules to detecting threats by combining telemetry with world-leading threat intelligence, AI, and advanced analytics. The goal is simple yet transformative: to deliver accurate, up-to-date detections that work seamlessly from Day One, offering maximum coverage with minimal tuning. This empowers teams to adapt at the speed of the adversary.

With SOC transformation, organizations can:

Automatically prevent known and zero-day attacks

The modern SOC platform includes ironclad security controls that block the 99%+ of attacks that can be stopped without human intervention, dramatically reducing the risk of a breach. By combining behavioral protection, threat intelligence, AI models, exploit protection, and more, the platform accurately blocks attacks targeting critical assets such as endpoints, cloud workloads, and identity services, drastically reducing the number of threats to detect and investigate.

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[4] Vectra, 2023 State of Threat Detection

Detect threats with laser precision

Modern SOC platforms unlock the full potential of AI by combining cloud-scale processing with a deep understanding of key data sources, such as endpoint, cloud, and identity. These platforms apply machine learning to massive volumes of events to find stealthy attacks that would be nearly impossible to detect with traditional correlation rules. Plus, they can interpret scripting languages and commands to expose malicious behaviors that legacy SOCs miss. Context-rich UEBA delivers on the promise of out-of-the-box analytics, surfacing threats and providing actionable insights for faster detection, investigation, and response.

To deliver complete visibility and protection, modern SOC platforms connect the dots, correlating data from any source to uncover cross-domain attacks. They detect techniques across the entire cyber kill chain with out-of-the-box correlation rules that are mapped to both specific adversaries and the MITRE ATT&CK® framework. Detection coverage maps provide a clear picture of an organization's detection posture so teams can identify gaps and fortify defenses.

Group and prioritize alerts for faster triage

Using AI and machine learning models that analyze multiple attributes of an alert, the modern SOC platform seamlessly aggregates events from multiple domains and enriches them with contextual information to intelligently process and prioritize high-fidelity incidents for analysts. AI models can be trained on large volumes of alerts, threat intelligence, and analysis of how past alerts were dispositioned. Intelligent alert grouping into incidents reduces analyst backlog, lowering the risk of missed attacks. Agentic AI, trained on millions of real-world triage decisions, can be directed to autonomously close false positives and elevate the riskiest incidents — all while clearly explaining its actions.

> **The future of cybersecurity is agentic AI — where advanced reasoning models power intelligent automation to work seamlessly with human analysts to stop breaches faster than ever.**

Daniel Bernard
CrowdStrike Chief Business Officer

3 Faster Investigations Fueled by AI and a Modern Analyst Experience »

Legacy SOC

Security analysts need efficient tools to swiftly investigate and contain threats. However, in the legacy SOC, accomplishing this involves manually navigating through a maze of siloed security tools. Adding to this inefficient workflow, legacy SOC technologies rely on outdated index-based architectures — think painfully slow searches across individual tools to piece together the context of an attack. This adds more complexity for incident investigations.

As data volumes surge, manual investigations become impractical, straining the SOC analyst's most precious resource: time. As a result, investigations lag — 70% of critical issues require more than 12 hours to resolve.[5]

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70%

of critical issues require more than 12 hours to resolve[5]

Modern SOC

Modern SOCs use a unified platform that speeds up incident analysis by delivering a modern analyst experience and a complete, graphical picture of attacks. Additionally, a modern SOC platform facilitates real-time collaboration and offers prescriptive guidance. AI and automation represent a paradigm shift that empowers the modern SOC to perform investigations in minutes instead of hours.

Reimagine investigations by visualizing incidents in an elegant graph

A modern SOC platform serves as a force multiplier for teams and slashes investigation time. By rapidly processing telemetry data at scale, it can automatically show attack activity, asset relationships, and threat context in a clear visual graph for all incidents. This graphical representation helps analysts understand the scope and impact of an attack as well as adversary tradecraft. A timeline view displays the sequence of events across data sources so analysts can make rapid, informed decisions. Analysts can pivot to event searches and adversary dossiers, execute workflows, enrich entities, and download incident reports in one or two clicks. By bringing together everything that's needed for incident analysis in one place — and avoiding the need to manually construct the adversary's attack path and timeline — the modern SOC platform helps teams expedite response and ultimately stop the breach.

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AI and automation empower the modern SOC to perform investigations in minutes instead of hours.

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[5] CrowdStrike 2024 State of Application Security Report

Drive faster response with real-time collaboration

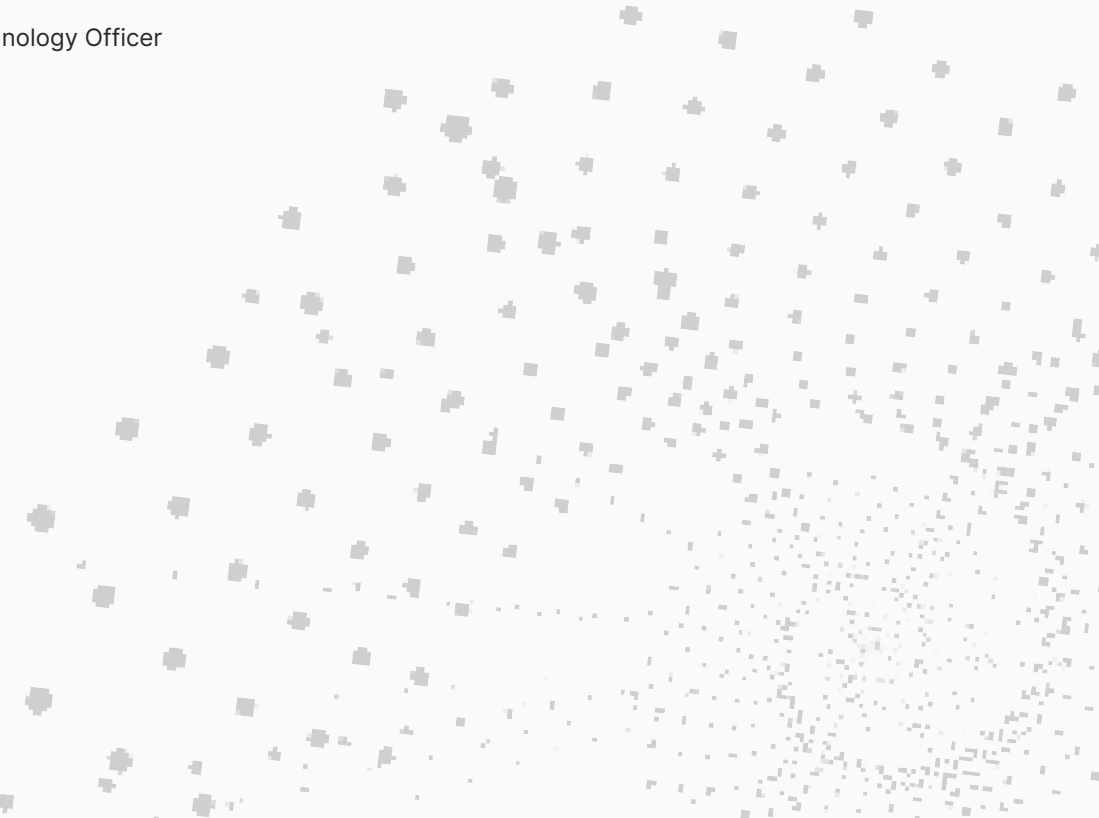
Transform the SOC with centralized case management, enhancing collaboration and cutting mean time to respond (MTTR). Assign tasks, track progress, visualize entity connections, and build a complete attack timeline — all in one place. With automated case creation and workflow-driven response actions, security teams eliminate manual busywork and stay ahead of fast-moving adversaries. Discussions are automatically saved with the incident, aiding post-incident reviews and audits.

Transform every user into a power user with GenAI

SOC transformation accelerates security operations and reclaims the edge against adversaries with generative AI (GenAI). New security analysts can ramp up quickly because GenAI reduces the technical bar to complete complex tasks. GenAI eliminates the need for deep knowledge of query syntax, enabling analysts to ask questions in plain language and receive accurate query translations. It also shows analysts the complete scope of an incident by looking across all platform data to suggest additional related indicators to append to the case, such as additional hosts. Automatically generated incident summaries help analysts avoid tedious documentation processes and save hours of time for every investigation.

> **SOC transformation isn't just about deploying advanced technology, it's about revolutionizing the analyst experience. By harnessing AI to streamline data ingestion, incident correlation, and investigation, the modern SOC isn't just transforming security operations but redefining how analysts interact with data to thwart threats.**

Elia Zaitsev
CrowdStrike Chief Technology Officer



4 Effortless Automation for Everyone »

Legacy SOC

Today's SOC teams are bogged down by slow, manual processes, delaying incident response and increasing the risk of a devastating breach. Although automation has long promised to speed up response, security teams must invest inordinate time and resources to build security orchestration, automation, and response (SOAR) playbooks. Developing playbooks demands not only programming skills but a thorough understanding of security operations and threat scenarios.

Moreover, the need to coordinate actions across various tools leads to "swivel chair syndrome." This issue not only delays incident resolution but causes inconsistencies, further slowing down the team's ability to proactively monitor threats. This prolonged dwell time can be demoralizing for security operations teams, where swift response times are crucial indicators of a SOC's effectiveness.

Modern SOC

Speed up incident response with workflow automation

SOC transformation does away with cumbersome, manual remediation tasks in favor of workflow automation to deliver faster incident response. Using GenAI, security engineers can create playbooks in seconds by describing workflows in plain language instead of spending weeks on development. A modern user interface and drag-and-drop experience lets security engineers review and adjust playbooks with ease. Extensive libraries of prebuilt playbooks, integrations, and actions can automate any security or IT use case.

» **The modern SOC delivers on its promise to speed up incident response with automation.**

No-code workflow automation streamlines tedious tasks and frees up analyst time for high-value work and high-risk threats. It can codify investigation and response processes to standardize best practices, increase analyst confidence, and achieve accurate and consistent outcomes. Prebuilt workflows can fast-track investigations by enriching, correlating, and managing alerts and incidents, and they can expedite threat hunting by querying data and visualizing results. Instead of deploying a few playbooks, AI empowers teams to build numerous workflows to automate everything, boosting SOC efficiency.

Stop threats decisively with closed-loop response

A modern SOC platform can drive any response action through tight integration with endpoint, identity, and cloud controls. Built-in automation allows analysts to quickly implement wide-reaching actions across third-party tools in real time, going beyond reacting to incidents to proactively protecting the whole network. Additionally, the seamless integration of risk-based access controls makes workflows more efficient and secure.

By adapting to ever-changing threats, the platform learns from past incidents and recommends specific, tailored remediation actions. This ongoing evolution prepares the security team to skillfully navigate new demands for automation and response that arise over time.

5 Intelligence-Led Threat Hunting »

Legacy SOC

Given the manual and resource-intensive processes required for investigations, threat hunting in today's SOC often takes a backseat to reactive measures. Limited time, skills, and resources constrain teams from conducting critical tasks like in-depth threat research, developing queries, and managing lists of indicators of compromise (IOCs). Even for teams that have the bandwidth for proactive threat hunting, many rely on static listings from threat intelligence feeds that quickly become outdated.

Modern SOC

SOC transformation empowers security teams to adopt proactive threat hunting. By harnessing the power of artificial intelligence, threat hunting libraries, and optimized workflows, these platforms provide crucial assistance to overwhelmed teams.

» **A modern SOC uses comprehensive visibility and adversary-led intelligence to proactively find threats.**

Gain the upper hand against threats with adversary intelligence

The modern SOC leverages rich adversary intelligence built on proprietary datasets and sources from the cybercriminal underground to hunt down advanced adversaries. Curated libraries of threat hunting queries empower analysts to automatically uncover hidden and emerging threats based on the latest adversary tactics. Integrated workflows allow SOC users to operationalize threat hunts in seconds, immediately elevating the productivity of the entire SOC team while accelerating its ability to continuously adjust security controls as threats evolve. Teams can swiftly identify and neutralize potential risks without expending precious time and resources on upfront threat research or query development.

Find threats swiftly with high-speed search

Threat hunters must scour through mounds of data quickly to unearth threats. The modern SOC platform delivers the speed, scale, and querying flexibility required to proactively search for and find indicators of attack. Threat hunters can optimize their searches and quickly pinpoint threats with a flexible query language that supports regular expressions and a variety of functions. Plus, they can easily query any field with free-text search.

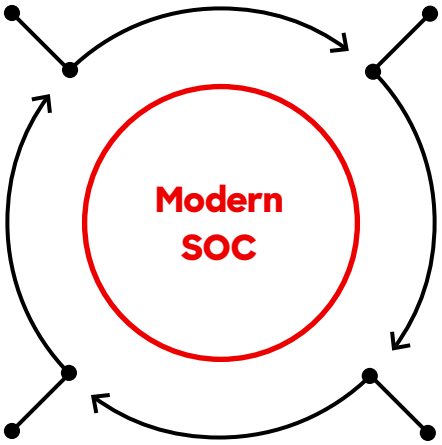
Augment with threat hunting services

In the absence of in-house resources, organizations can augment their internal capabilities by tapping into external services offered by cybersecurity experts. These experts can perform proactive threat hunting activities that deliver invaluable insights and adversary intelligence from real-world attacks. This allows SOC teams to focus their efforts on strategic initiatives and better strengthen their security posture.

The Modern SOC Powers World-Class Services

By bringing together all data, AI, workflow automation, and threat intelligence in one unified platform, the modern SOC platform offers a robust foundation for services. Security teams achieve full visibility across their entire environment, and — using automation and GenAI — they can operate much more efficiently. SOC transformation allows teams to shift from "survival mode," where they struggle to keep up with a constant onslaught of attacks, to a strategic approach, where they can prepare for threats, fortify their cybersecurity posture, and respond swiftly to attacks.

The SOC of the future seamlessly leverages collaborative partners and value-added services like red team exercises, risk assessments, MDR, incident response, and more.



Prepare
Equip and train your organization to defend against adversaries with real-life simulation exercises, red team evaluations, and penetration tests.

Fortify
Enhance your cybersecurity controls and practices with risk assessments and actionable recommendations.

Respond
Let incident response experts help you stop breaches, investigate incidents, and recover from attacks with speed and precision.

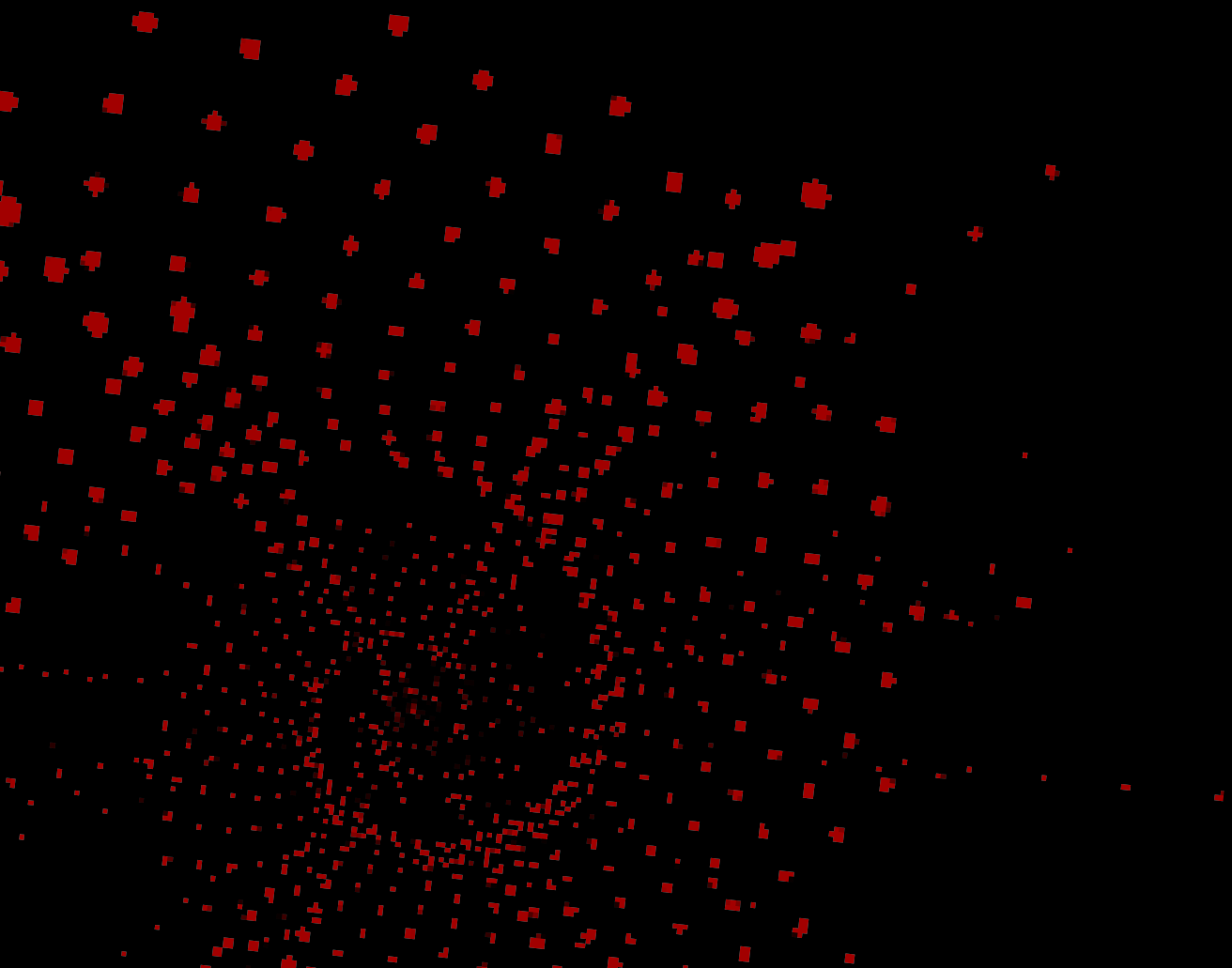
Manage
Gain round-the-clock expertise and active, hands-on remediation tailored to your environment, so you can rest easy knowing you're protected.

The modern SOC maximizes the efficiency and effectiveness of services partners by:

- Collecting rich telemetry from any source at scale
- Supporting real-time monitoring and collaboration with internal teams and consultants
- Offering robust remediation capabilities, empowering incident response teams to respond at machine speed

Driving Meaningful Impact for SOC Team Members

SOC transformation extends beyond advanced technology and modern processes to the people powering security operations. Forward-leaning organizations cut complexity, manage manual overhead, uplevel analysts, and ultimately drive down the time it takes to stop breaches. A modern SOC platform enables security teams to focus on strategic tasks, maximizing efficiency and effectiveness.



Security Analysts

Gain Speed, Efficiency, and Automated Workflows Without Configuration

The current SOC framework falls short in providing the support security analysts require to operate with pertinent insights, speed, and efficiency. Modern SOC platforms alleviate this burden and amplify efficiency by unifying security operations on a single platform, eliminating the need to pivot across multiple data sources, tools, and consoles.

With workflow automation built in, analysts can streamline their processes, accelerate threat analysis, and efficiently respond to incidents. By simplifying every stage of incident response, the unified platform empowers security analysts to focus on high-priority tasks without being bogged down by manual processes.

Another significant enabler for empowering higher-order analyst performance is GenAI-supported investigations. With GenAI, analysts no longer need deep expertise in query language syntax. GenAI allows analysts to ask questions in plain language and translates them into the correct query within the console. This removes barriers so that analysts can readily obtain valuable insights and recommendations, streamlining decision-making.

Analysts can streamline their processes, accelerate threat analysis, and efficiently respond to incidents.

Security Engineers

Eliminate Overhead with Instant Deployment and Hassle-Free Management

Security engineers and architects encounter the daily challenge of managing legacy SIEM solutions with deployment complexity and ongoing maintenance. SOC transformation revolutionizes their experience by simplifying these responsibilities.

Instead of lengthy data migration projects and complex, fragmented architectures, the modern SOC platform transforms data onboarding and setup by natively embedding endpoint detection and response (EDR), identity security, cloud workload protection, exposure management, and data protection capabilities.

The platform's cloud-native architecture offers a transformative approach, significantly reducing management overhead for security engineers and enabling quicker troubleshooting that saves valuable time. These advanced platforms are purpose-built to effortlessly manage massive data volumes, performing at petabyte scale. This supports real-time monitoring of data volumes and telemetry health, ensuring optimal SOC performance.

Instead of lengthy data migration projects and complex, fragmented architectures, the modern SOC platform transforms data onboarding and setup.

Threat Hunters

Unlock Faster Search with Faster Outcomes

Threat hunters and incident responders require speed and agility to stay ahead of increasingly sophisticated adversaries. Modern SOC platforms deliver orders of magnitude faster search performance compared to legacy SIEMs, enabling threat hunters to swiftly uncover threats and take decisive actions.

Modern SOC platforms not only streamline the hunt for advanced threats but add an important element of rich context to the process, making it both efficient and streamlined. They equip threat hunters with prebuilt security investigation queries and threat hunting workflows, empowering them to expertly root out hidden threats across the organization's digital estate. With fast, GenAI-supported search queries, threat hunters can pinpoint threat sources, identify root cause, and ensure the right steps are taken to fully remediate the incident.

Modern SOC platforms deliver orders of magnitude faster search performance compared to legacy SIEMs.

CISOs

Realize Superior Outcomes at a Fraction of the Cost

Managing the complexity of the modern SOC is no easy feat. Siloed tools and data stores and runaway costs mean security leaders need a new way to navigate the current landscape. In addition, they also have to manage limited resources and headcount.

By consolidating multiple tools with a single platform, CISOs can cut down complexity and administrative overhead so they can redirect their focus toward strategic initiatives, ultimately enhancing the organization's security stance.

Today's CISOs have responsibilities far beyond implementing traditional security controls — they must also facilitate risk management and enable transformation. With a comprehensive view of threats and vulnerabilities, CISOs can effectively communicate their security posture to fellow executives to support board-level discussions and strategic planning. This ensures security strategies are tightly aligned with business objectives and priorities.

» With a comprehensive view of threats and vulnerabilities, CISOs can effectively communicate their security posture to fellow executives and the board.

> **Transitioning from firefighters to fire marshals, SOC transformation is centered on empowering teams to work smarter, not harder. Through the reduction of manual tasks and thoughtful integration of AI and automation to upskill analysts, the modern SOC cultivates a culture of proactive threat protection. This transformation not only fortifies the SOC but positions it as a catalyst for business innovation.**

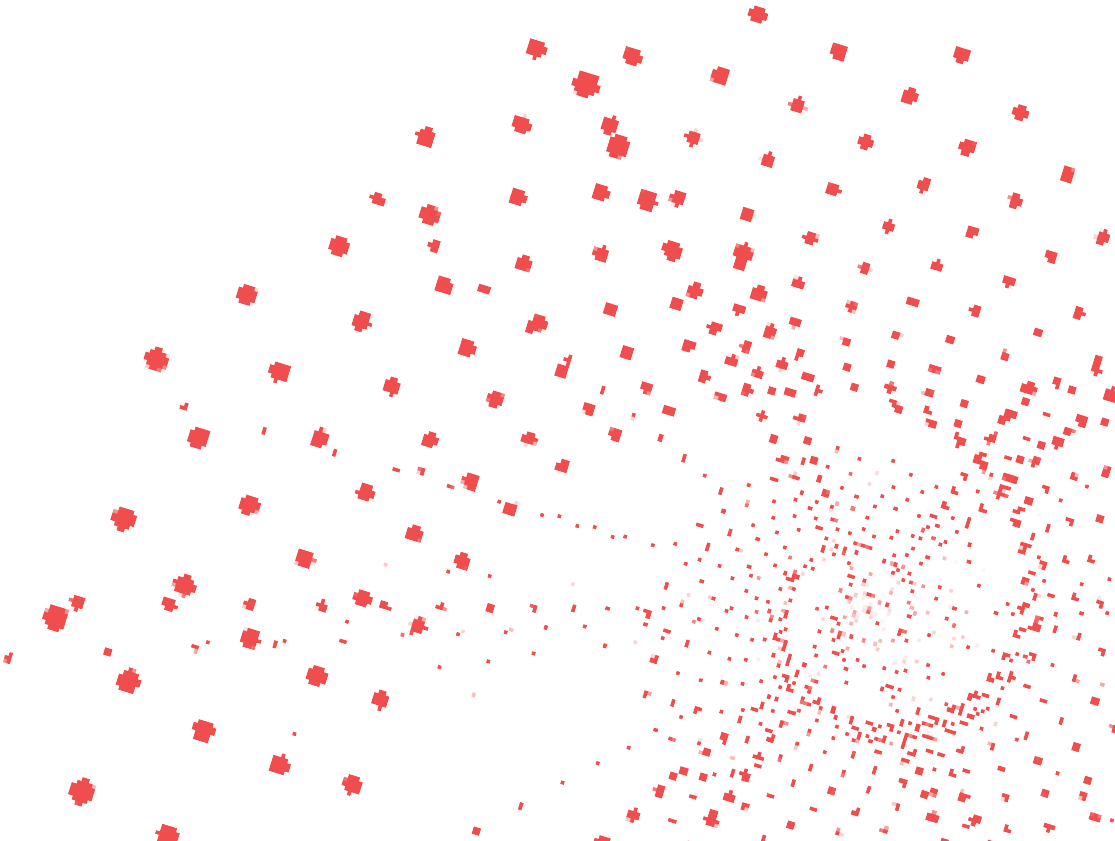
Justin Acquaro
CrowdStrike Chief Information Security Officer

How CrowdStrike Powers the Modern SOC

To stop the breach, it's time to transform the SOC. The CrowdStrike Falcon® platform is the industry's answer to achieve SOC transformation. It brings together all key SOC capabilities — including next-gen SIEM; endpoint, identity, and cloud security; and threat intelligence — on one massively scalable platform. With AI, workflow automation, and a GenAI assistant helping teams move faster than they ever thought possible, the Falcon platform future-proofs enterprise SOCs against tomorrow's threats and the deluge of data that will inevitably paralyze legacy SIEMs.

Machine learning and AI power the Falcon platform's defenses. The Falcon platform integrates with the CrowdStrike® Security Cloud to continuously crowdsource data from tens of thousands of customers, across trillions of events per week, and analyze this data with machine learning models to find new threats and hone existing detections. Generative, cloud, and sensor-based AI models work together with behavioral analytics and threat intelligence to maximize coverage and reduce the risk of a single point of failure in its defenses.

CrowdStrike Falcon® Next-Gen SIEM extends the industry-leading security and performance of the Falcon platform to all data for complete visibility and protection. A single, unified console eliminates "swivel chair" syndrome, simplifying every aspect of detection, investigation, and response. Falcon Next-Gen SIEM's modern analyst experience amplifies the speed and efficiency of incident response, so teams can swiftly root out threats while slashing SOC costs.



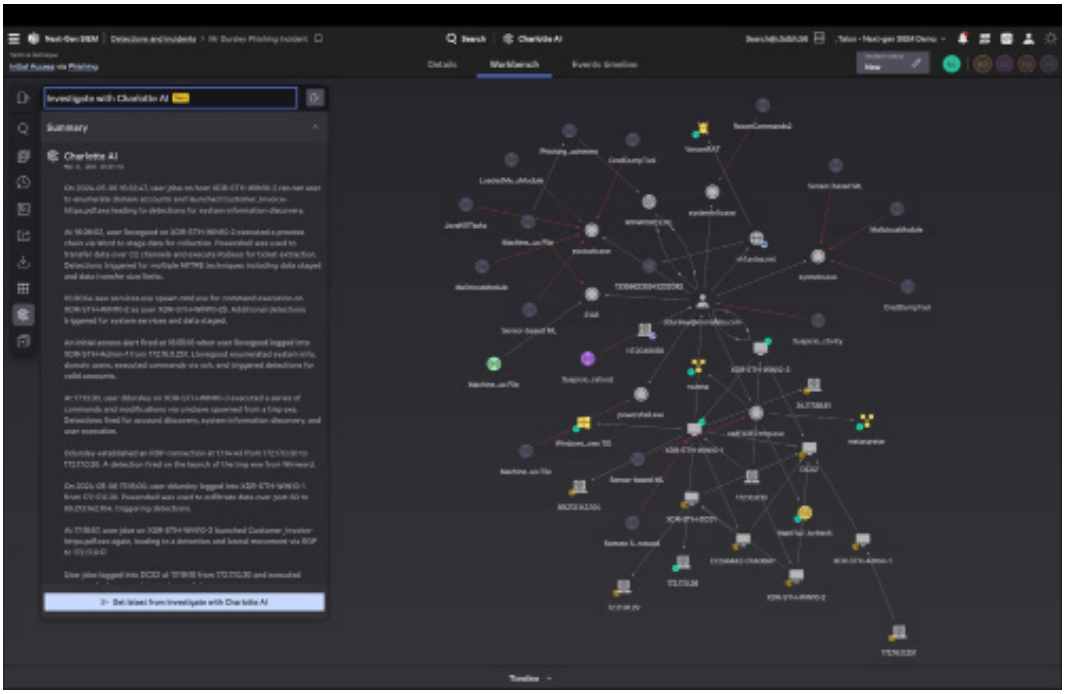


Figure 1. Falcon Next-Gen SIEM reimagines the analyst experience with CrowdStrike® Charlotte AI™ and Workbench to drive down investigation and response times from hours to minutes

Consolidate point solutions and experience up to three times faster deployment with:

- **A unified platform with key data built in:** All critical data — endpoint, identity, and cloud controls — and threat intelligence are natively built into the Falcon platform
- **Frictionless onboarding for third-party data sources:** Falcon Next-Gen SIEM makes it easy to ingest third-party data sources with custom connectors — all through an intuitive interface that's as easy to navigate as your favorite app
- **Long-term IT and security data storage:** Falcon Next-Gen SIEM offers long-term data storage at a cost up to 80% lower than that of legacy SIEMs,[6] with a revolutionary, index-free architecture that scales to more than one petabyte per day

Detect threats in real time and investigate in seconds with:

- **Incident visualization that reveals the full path of an attack:** Instantly understand the scope of an attack in an elegant visual graph that correlates users, entities, and threat context so you can rapidly orient and respond
- **Faster search and real-time collaboration:** Dramatically speed up investigations with search performance that's up to 150x faster than legacy SIEMs[6] and collaborate instantly to quickly take action
- **GenAI, the ultimate force multiplier:** Elevate the skill level of your entire team by harnessing the power of GenAI to prioritize incidents, enrich them with threat intelligence, and summarize them in plain language, turning hours of work into minutes or seconds
- **Expert resources that augment your team:** Disrupt adversaries across all attack surfaces with 24/7 AI-powered managed threat hunting, detection, and response

Stop the breach with:

- **Automated response with intuitive built-in workflows and actions:** Coordinate response across your security and IT stack with native workflow automation powered by CrowdStrike Falcon® Fusion SOAR — more than 1,200 workflow actions let you fully eradicate threats and free up your team to focus on higher-order operations
- **Smarter decisions and swifter resolution with adversary intelligence:** Speed up incident response with world-class threat intelligence and workflow automation on your side — get direct context on adversaries and their tradecraft from CrowdStrike's industry-leading threat intelligence
- **Tight integration with the Falcon agent to drive any endpoint action:** Contain fast-moving attacks, limit lateral movement, and stop breaches through native integration with the Falcon agent for rapid response and optimal recovery

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[6] Results are from a customer. Individual results may vary.

> **We're on the precipice of another major leap with [Falcon] Next-Gen SIEM. It's at least ten times faster than what we had before. The performance improvements have been game-changing, allowing us to instantly ingest Falcon platform data and third-party data for the ultimate visibility and threat hunting. We've had a lot of success pulling our data together.**
>
> **Steve McIntosh**
> Director of Threat Management and Response at Aflac

CrowdStrike's Own SOC Transformation with Next-Gen SIEM

Along with building the definitive platform to modernize security operations for leading organizations around the world, CrowdStrike's own SOC is undergoing a transformation. Facing scalability limitations and hefty SIEM costs with data volumes growing at 30% per year, CrowdStrike CISO Justin Acquaro knew he needed to bring the SOC into the future and give analysts a radically improved experience to drastically cut down onboarding time.

Embracing innovation: The path to modernization

Recognizing the imperative for modernization, Justin embarked on a journey to revolutionize the SOC's capabilities, with the foundation of that evolution built on Falcon Next-Gen SIEM. The rollout was seamless, characterized by careful planning and smooth data migration to the Falcon platform. Routing Falcon platform endpoint, identity, and cloud security logs was a breeze. The team also leveraged the CrowdStrike® CrowdStream data pipeline to onboard third-party data sources quickly.

Today, CrowdStrike's SOC boasts unparalleled visibility, ingesting 50% more data than before and achieving search speeds 150 times faster. Automation and AI in the Falcon platform instantly enrich alerts and reconstruct attack paths for every incident. This means analysts automatically have context and insights at every step of their workflow for drastically faster response — all without investing in additional resources. All of this has helped the SOC team consistently stay ahead when it comes to detection and response metrics. As Justin noted, "With Falcon Next-Gen SIEM, we have successfully built a response time that is less than a few minutes."

Falcon Next-Gen SIEM provides a blueprint for the SOC of the future. It allows CrowdStrike to collect and store all security data in one place while avoiding the hassle of siloed data lakes and cold storage. And the team has now unified all security operations on one platform.

"The days of using point products and building massive teams to manage these tools are over," said Justin. "Instead of building an army of people to stitch tools together, you can allocate people to actively defending your company."

> **In the journey to the modern SOC, the emphasis extends beyond AI implementation to delivering a seamless, collaborative analyst experience. With capabilities like workbenches and graphical exploration, CrowdStrike is empowering analysts to navigate complex threat landscapes with unprecedented efficiency and clarity, forging the path toward proactive defense strategies.**
>
> **Elia Zaitsev**
> CrowdStrike Chief Technology Officer

Conclusion

The success of the modern SOC hinges on the seamless integration of people, processes, and technology. As detailed in this survival guide, leveraging advanced AI and automation for SOC transformation is crucial for effectively combating modern cyber threats.

CrowdStrike provides a comprehensive solution that addresses all three pillars of people, processes, and technology. The solution combines data, security, and IT, with built-in AI and workflow automation. Additionally, CrowdStrike works with an ecosystem of leading partners to design, deploy, and operationalize services for the SOC transformation.

By harnessing the power of AI and automation, organizations can elevate their threat detection and response capabilities, streamline security operations, and effectively mitigate risks. CrowdStrike's innovative approach empowers the SOC to modernize and stay ahead of evolving threats. With a commitment to collaboration and innovation, CrowdStrike delivers unparalleled expertise to help organizations navigate the complexities of the cybersecurity landscape — now and in the future.

The success of the modern SOC hinges on the seamless integration of people, process, and technology.

READY TO TRANSFORM YOUR SOC?

Request a test-drive of Falcon Next-Gen SIEM to experience the power of the platform in your environment.

About CrowdStrike

CrowdStrike (Nasdaq: CRWD), a global cybersecurity leader, has redefined modern security with the world's most advanced cloud-native platform for protecting critical areas of enterprise risk — endpoints and cloud workloads, identity and data.

Powered by the CrowdStrike Security Cloud and world-class AI, the CrowdStrike Falcon® platform leverages real-time indicators of attack, threat intelligence, evolving adversary tradecraft and enriched telemetry from across the enterprise to deliver hyper-accurate detections, automated protection and remediation, elite threat hunting and prioritized observability of vulnerabilities.

Purpose-built in the cloud with a single lightweight-agent architecture, the Falcon platform delivers rapid and scalable deployment, superior protection and performance, reduced complexity and immediate time-to-value.

CrowdStrike: We stop breaches.

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