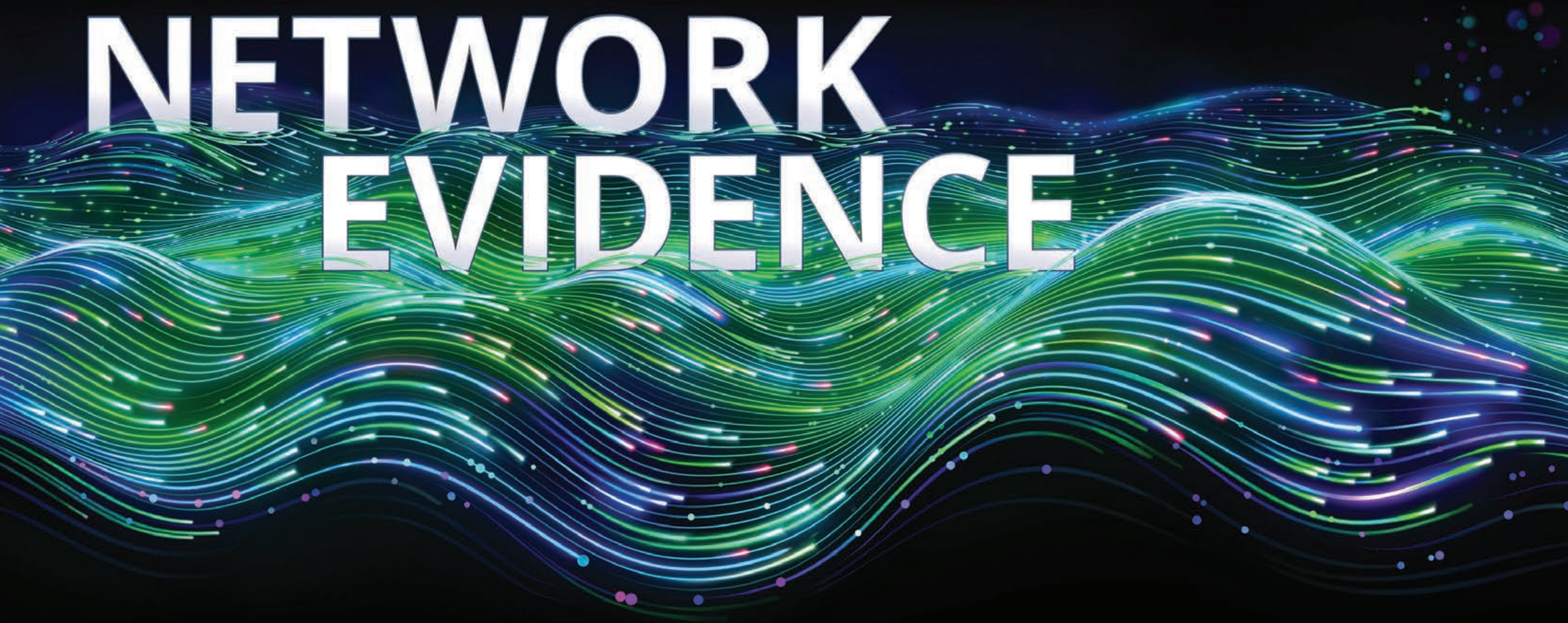
corelight

# DISRUPT ATTACKS WITH NETWORK EVIDENCE



NETWORK DETECTION & RESPONSE

Corelight transforms **network and cloud activity into evidence** to keep you **ahead of ever-changing attacks.**

See and understand your network fully through **uncompromising visibility** and **powerful new analytics**. With our Open NDR Platform, your team can **track down incidents quickly** and **hunt like never before.**

**Corelight's comprehensive, correlated evidence** is ready for your SIEM or XDR:

CROWDSTRIKE

Cribl

DEVO

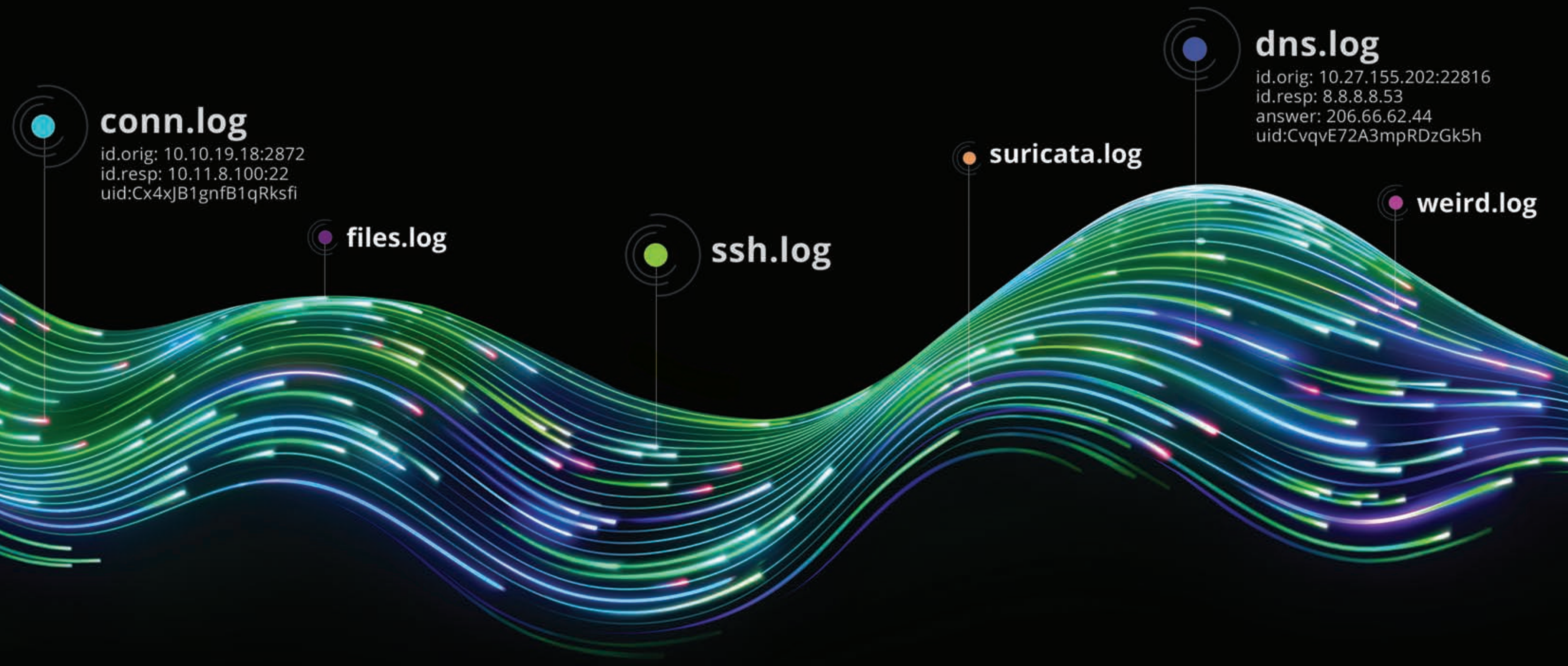
elastic

Google Cloud

MANDIANT

Microsoft

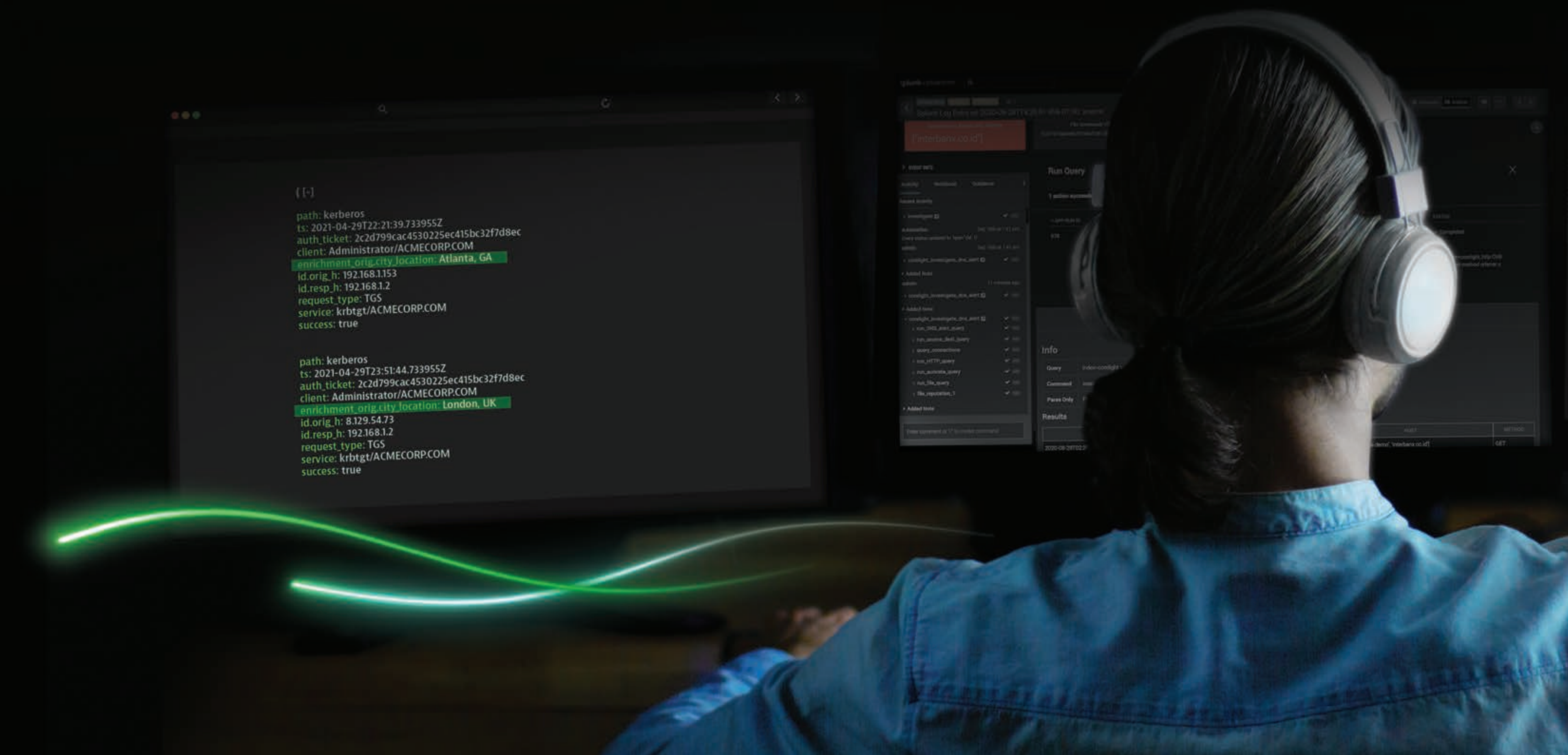
splunk>



**Corelight's high-fidelity logs empower defenders to understand network activity and detect and respond quickly to attacks.**

# COMPLETE VISIBILITY

Corelight illuminates your network, including previously hidden areas, to provide context so you can understand more of your assets. Rapidly gain a commanding view of your organization and all devices that log onto your network—with access to details such as DNS responses, file hashes, SSL certificate details, and user-agent strings—without relying on other teams to respond to data requests.



```
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path: kerberos
ts: 2021-04-29T22:21:39.733955Z
auth_ticket: 2c2d799cac4530225ec415bc32f7d8ec
client: Administrator/ACMECORP.COM
enrichment_orig.city_location: Atlanta, GA
id.orig_h: 192.168.1.153
id.resp_h: 192.168.1.2
request_type: TGS
service: krbtgt/ACMECORP.COM
success: true


path: kerberos
ts: 2021-04-29T23:51:44.733955Z
auth_ticket: 2c2d799cac4530225ec415bc32f7d8ec
client: Administrator/ACMECORP.COM
enrichment_orig.city_location: London, UK
id.orig_h: 8.129.54.73
id.resp_h: 192.168.1.2
request_type: TGS
service: krbtgt/ACMECORP.COM
success: true
```

# NEXT-LEVEL ANALYTICS

Corelight's high-fidelity, correlated telemetry is the perfect partner for analytics, AI/ML tools, and SOAR playbooks—making them far more efficient and unlocking brand new capabilities. Corelight Collections amplify your detections even further with insight into encrypted traffic, known entities, command and control, and more.

# FASTER INVESTIGATION

Open NDR speeds response by correlating alerts, evidence, and Smart PCAP so the next answer you need is just a click away. The context Corelight offers reduces false positives and slashes your alert backlog—without redesigning processes or retraining analysts—because our evidence integrates into existing workflows. What’s more, our evidence is so lightweight that it allows you to capture years of activity and establish your network's baseline to reveal future anomalous activity.

# EXPERT HUNTING

Hunting is the best way to find advanced attackers and deny them cover. Corelight's structured evidence is clear and complete enough to make anyone on your team an efficient hunter. It's the exact same telemetry that the world's most elite defenders use, and shows you everything from artifacts left by intruders to critical misconfigurations. When you hunt like the experts, you can disrupt attacks before they turn into your next big investigation.

# CORELIGHT'S MITRE ATT&CK® APPROACH

Corelight drives broad coverage across the MITRE ATT&CK TTPs using an approach focused on visibility and explainable, evidence-based analytics. We provide machine learning models, behavioral alerts, and Suricata-based IDS and SIEM rules to detect the relevant ATT&CK tactics, techniques, and procedures. Our Open NDR Platform allows you to build your own detection content or use community contributions such as MITRE’s BZAR package.

## CORELIGHT’S STRENGTH OF COVERAGE INCLUDES:

### INITIAL ACCESS

- Drive-by Compromise
- Exploit Public-Facing Application
- External Remote Services
- Phishing
- Valid Accounts

### DEFENSE EVASION

- Exploitation for Defense Evasion
- Hijack Execution Flow
- Indicator Removal on Host
- Masquerading
- Modify Authentication Process
- Modify Registry
- Process Injection
- Rogue Domain Controller
- Subvert Trust Controls
- Valid Accounts

### CREDENTIAL ACCESS

- Brute Force
- Credentials from Password Stores
- Forced Authentication
- Man-in-the-Middle
- Modify Authentication Processes
- OS Credential Dumping
- Steal or Forge Kerberos Tickets

### DISCOVERY

- Account Discovery
- Domain Trust Discovery
- File and Directory Discovery
- Network Service Scanning
- Network Share Discovery
- Password Policy Discovery
- Permission Groups Discovery
- Remote System Discovery
- System Information Discovery
- System Location Discovery
- System Network Configuration Discovery
- System Network Connections Discovery
- System Time Discovery

### LATERAL MOVEMENT

- Exploitation of Remote Services
- Lateral Tool Transfer
- Remote Service Session Hijacking
- Remote Services

### C2

- Application Layer Protocol
- Data Encoding
- Dynamic Resolution
- Encrypted Channel
- Fallback Channels
- Ingress Tool Transfer
- Non-Application Layer Protocol
- Non-Standard Port
- Protocol Tunneling
- Proxy
- Web Service

ATT&CK®

## ADDITIONAL AREAS OF COVERAGE:

### RECONNAISSANCE

- Active Scanning
- Gather Victim Network Information
- Search Open Technical Databases
- Search Open Websites/Domains

### EXECUTION

- Command and Scripting Interpreter
- Inter-Process Communication
- Scheduled Task/Job
- System Services
- User Execution
- Windows Management Instrumentation

### PERSISTENCE

- Boot or Logon Autostart Execution
- Create or Modify System Process
- Event Triggered Execution
- External Remote Services
- Hijack Execution Flow
- Modify Authentication Process
- Office Application Startup
- Scheduled Task/Job
- Valid Accounts

### PRIVILEGE ESCALATION

- Boot or Logon Autostart Execution
- Create or Modify System Process
- Event Triggered Execution
- Hijack Execution Flow
- Process Injection
- Scheduled Task/Job
- Valid Accounts

### COLLECTION

- Archive Collected Data
- Data from Local System
- Data from Network Shared Drive
- Data Staged
- Man-in-the-Middle

### EXFILTRATION

- Automated Exfiltration
- Data Transfer Size Limits
- Exfiltration Over Alternative Protocol
- Exfiltration Over C2 Channel
- Exfiltration Over Web Service
- Transfer Data to Cloud Account

### IMPACT

- Endpoint Denial of Service
- Resource Hijacking

# INVESTIGATOR

Investigator delivers a SaaS-based NDR solution that combines comprehensive network evidence with machine learning and other analytics in a fast, powerful search platform to accelerate security operations and consolidate legacy toolsets. It dramatically simplifies Tier 1 workflows, so your team has more time for hunting and response—activities that move faster than ever with our intuitive log query engine.

- Integrates with SOC workflow
- Executive dashboards
- Intelligent alert scoring
- Easily customizable
- Based on open, global standards

INVESTIGATOR Quickly accelerate threat hunting and investigations

# CLOUD SENSORS

Network traffic is still the ultimate source of truth, even in the cloud. Corelight’s Cloud Sensors accelerate incident response and threat hunting capabilities in cloud, hybrid, and multi-cloud environments.

- Complete visibility across hybrid and multi-cloud environments
- Turn mirrored traffic into comprehensive logs, extracted files, and custom insights
- Generate rich, security-centric data SOC teams need, not just a compliance checkbox
- Reduce friction with an easy to deploy, easy to scale, easy to use solution

Available for:

aws  Google Cloud  Azure

# THE OPEN NDR PLATFORM

### SURICATA

**Custom alerts
tied to evidence**

Suricata generates alerts that we embed directly into Zeek logs, putting every detection into context to save time, cut alert backlogs, and improve analytics.

### ZEEK®

**The global standard
for network evidence**

The Zeek open source network security monitor generates lightweight metadata and detections to enable threat hunting and speed incident response.

### SMART PCAP

**Highly flexible,
efficient packet capture**

Smart PCAP links logs, extracted files, and insights with just the packets you need. Reduce storage costs while expanding retention times by a factor of 10.

# CORELIGHT PRODUCTS

## APPLIANCE SENSORS

| | | Nominal capacity* |
|---|---|---|
| **AP 5000 SERIES** | • 2 QSFP28 interface modules<br>• Support for optical modules at 8 x 10G, 2 x 40G, or 2 x 100G | 100 Gbps |
| **AP 3000 SERIES** | • Up to 8 SFP/SFP+ or 2 QSFP+ interface modules<br>• Support for copper and/or optical modules at 1G, 10G, or 40G | 35 Gbps |
| **AP 1000 SERIES** | • 4 1G/10G SFP/SFP+ interface modules<br>• Support for copper and/or optical modules at 1G, or 10G | 20 Gbps |
| **AP 200 SERIES** | • 4 SFP interface modules<br>• Support for copper and/or optical modules at 100M and 1G | 2 Gbps |

* Capacity for Zeek-based traffic analysis. Enabling additional analysis workloads like Suricata reduces capacity and performance will vary depending on traffic.

## VIRTUAL SENSORS

| | vCPUs | RAM (Gb) | Disk (Gb) | System requirements | Nominal capacity |
|---|---|---|---|---|---|
| **VMware** | 4–64 | 16–256 | 500–4000 | ESXi 6.5 or above | 500 Mbps–8 Gbps |
| **Hyper-V** | 4–64 | 16–256 | 500–4000 | Windows Server 2016 | 500 Mbps–8 Gbps |

## SOFTWARE SENSOR

| CPUs | RAM (Gb) | Disk (Gb) | System requirements | Nominal capacity |
|---|---|---|---|---|
| 2–64 | 8–256 | 100–4000 | Any 64-bit Linux distribution | 250 Mbps–8 Gbps |

# CORELIGHT PRODUCTS

## CLOUD SENSORS

| | Instance | System requirements | Nominal capacity |
|---|---|---|---|
| **AWS** | M4 or M5 type AWS EC2 | Amazon VPC traffic mirroring enabled OR mirroring via 3rd party packet-forwarding agents | 500 Mbps–8 Gbps |
| **MS AZURE** | Azure Ds v3 series (D8s minimum) | Traffic mirroring via 3rd party packet-forwarding agents | 500 Mbps–8 Gbps |
| **GOOGLE CLOUD** | GCP-E2 or N1 machine type | Google Cloud packet mirroring enabled OR mirroring via 3rd party packet-forwarding agents | 500 Mbps–8 Gbps |

## FLEET MANAGER

- Manage hundreds of sensors
- See overall fleet health in one pane of glass; drill into individual sensor metrics with one click
- Deploy custom sensor policy templates
- Define custom sensor groups, assign individual user roles and access levels
- Demonstrate compliance using audit logs

## smartPCAP

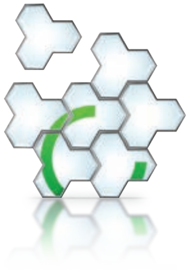
- Cut your PCAP costs by up to 50%
- Fine tune rules to capture only the packets you need
- Expand retention by 10x while reducing costs
- Access packets directly in your SIEM for faster investigations

## INVESTIGATOR

- Complete visibility across hybrid and multi-cloud environments
- Accelerate threat hunting and incident response
- One-click pivot from prioritized alerts to correlated evidence
- Threat hunting dashboards with pre-built queries
- Reduce MTTD, MTTR, false positives, and noise

# CORELIGHT COLLECTIONS

Turnkey packages that deliver proprietary detections plus curated insights from the Zeek community



### ENCRYPTED TRAFFIC COLLECTION

**Dozens of unique insights into SSL, SSH, and RDP connections along with encrypted insights from the Zeek community like JA3—all without decryption**

- Track SSL fingerprints, soon-to-expire certificates, and more
- Track user behavior over SSH and RDP with insights that can determine if it's a human or a script behind those packets
- Analyze and identify 350+ unique VPN providers

### C2 COLLECTION

**50+ detections and insights into known command and control activity as well as MITRE ATT&CK® C2 techniques to find novel attacks**

- Find Cobalt Strike and known malware families that run C2 over HTTP
- Detect DNS tunneling and other techniques like domain generation algorithms

### ENTITY COLLECTION

**Entity-specific data logs, summarized and aggregated for context and fast searching**

- Enhance visibility into hosts, users, certificates, and other entities on your network
- Identify 80+ applications
- Identify new local (non RFC 1918) subnets

### CORE COLLECTION

**Preloaded Corelight packages that help sensors scale in high-throughput environments**

- Detect lateral movement mapped to MITRE® ATT&CK
- Find cryptomining traffic over TCP or HTTP

MAKE YOUR **DATA-FIRST STRATEGY A REALITY.**

corelight

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