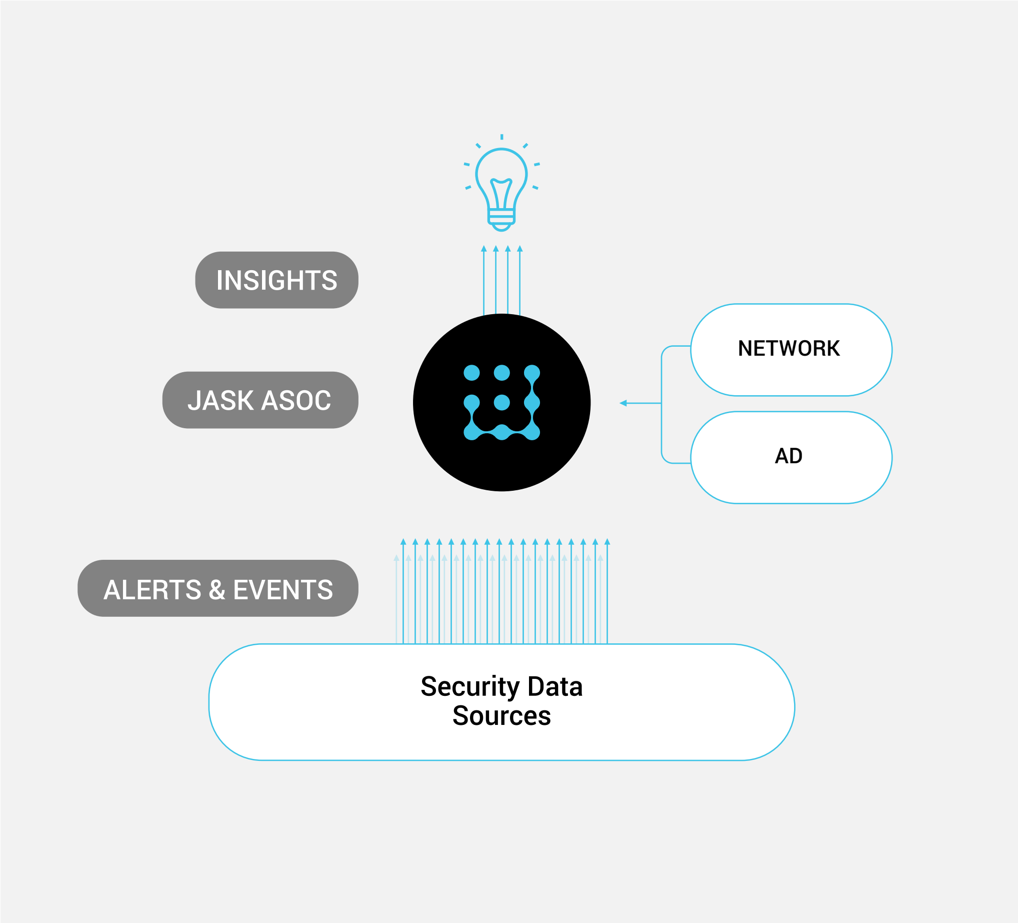
// MEET THE JASK ASOC

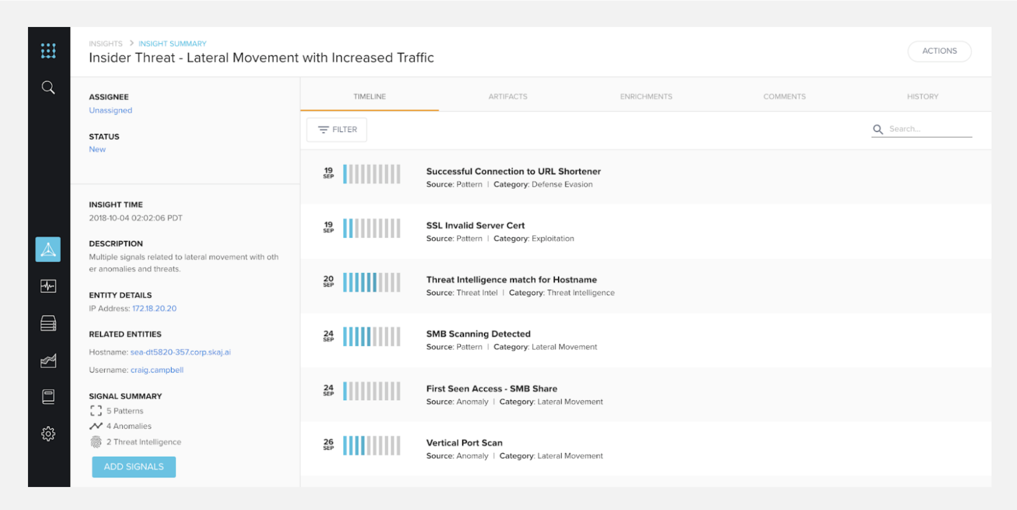
Building a Modern SOC with JASK ASOC

A modern SOC should be built with modern tools: a cloud platform architected to provide the analysts all of the critical information needed to effectively manage the risk of cyber threats to the organization.

JASK's cloud-native platform provides auto-scaling capacity that can instantaneously adapt to peaks in event and data volume to ensure data ingestion occurs when you need it most. The cloud also enables scale to capture telemetry from your core security solutions as well as security-related data sources that are frequently missing, such as network traffic. Unrestricted by the processing power of on-premises hardware, JASK ensures that all records are efficiently analyzed by our machine learning models in order to surface JASK Insights. JASK automates the alert triage process by intelligently grouping related threat signals into an Insight. The Insights help to enlighten analysts and enable them to perform higher-value risk reduction activities such as investigations, threat hunting, and response planning.

The modern SOC is built on the JASK ASOC platform.





Insider Threat - Lateral Movement with Increased Traffic

ASSIGNEE
Unassigned

STATUS
New

INSIGHT TIME
2018-10-04 02:02:06 PDT

DESCRIPTION
Multiple signals related to lateral movement with oth
er anomalies and threats.

ENTITY DETAILS
IP Address: 172.18.20.20

RELATED ENTITIES
Hostname: sea-dt5820-357.corp.skaj.ai
Username: craig.campbell

SIGNAL SUMMARY
5 Patterns
4 Anomalies
2 Threat Intelligence

19 SEP Successful Connection to URL Shortener
Source: Pattern | Category: Defense Evasion

19 SEP SSL Invalid Server Cert
Source: Pattern | Category: Exploitation

20 SEP Threat Intelligence match for Hostname
Source: Threat Intel | Category: Threat Intelligence

24 SEP SMB Scanning Detected
Source: Pattern | Category: Lateral Movement

24 SEP First Seen Access - SMB Share
Source: Anomaly | Category: Lateral Movement

26 SEP Vertical Port Scan
Source: Anomaly | Category: Lateral Movement

Insights, Not Alerts

Analysts spend the bulk of their time investigating SIEM alerts to determine the valid alerts from the noise. Unfortunately, while this is necessary, the effort is largely manual, extraordinarily time consuming, and worse of all, isn't effectively reducing the risk to the organization.

Leveraging Artificial Intelligence, JASK automates the triage process. The intelligent collection of signals into a JASK Insight completes the "storyline" of a potential incident, where the grouping of signals now provides critical context. JASK also understands and learns the common sources of threat intelligence enrichment that analysts frequently leverage and automatically adds this to the Insight. Freed from the manual effort of triaging each and every alert for validity, the analyst is enabled to dig into the Insight and immediately begin the higher value functions of investigations, threat hunting, and response.

High Fidelity Visibility

Most SOCs have limited visibility into their enterprise. Cost constraints imposed by SIEM licensing models force many organizations to limit the amount of data they ingest. This compromise generally results in only core security sources to be considered: Firewalls, IDS/IPS, endpoint AV, and secure web/email gateways.

JASK completely reframes this issue. By focusing on grouping related signals into an Insight, what may have been a low-fidelity event, is now a critical component of an Insight, providing greater depth and detail that a SIEM fails to deliver.

Furthermore, JASK doesn't penalize customers for including more data for analysis. Because enterprise visibility requires the full breadth of security and security-related sources.

Cloud-based Architecture

The modern SOC needs a modern technology architecture. JASK's cloud-native architecture enables capabilities that legacy on-premises solutions cannot overcome.

The cloud provides scale. The JASK platform provides automatic scaling as event and data sources increase or spike to ensure processing occurs when you most critically require it. And unlike on-premises solutions that can only analyze a fraction of the ingested data, JASK isn't constrained by hardware processing power. Our machine learning models analyze the full breadth of data – all of the standard security sources, plus the addition of network, user, etc.

Furthermore, as a SaaS solution, JASK excels at speed of innovation. New capabilities and updated learning from our machine learning algorithms are available quickly - not limited to your ability to schedule and implement an upgrade to your systems.