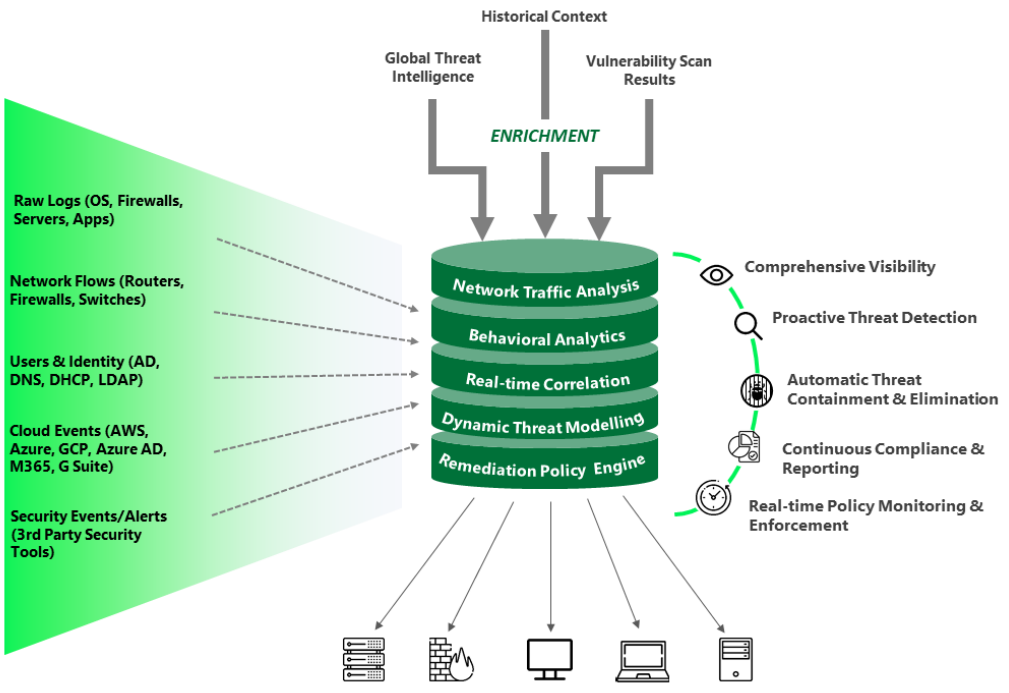
aiSIEM™

Seceon aiSIEM helps organizations visualize user activities, network traffic flows, anomalous behaviors and host-based suspicious processes through a single pane of glass while ensuring cyber threats, exploits and attacks are detected early and accurately with automated intelligence, advanced correlation and real-time analytics. The solution empowers SOC analysts to respond to real alerts by cutting out the noise and providing a simplified path to threat containment and risk mitigation.

- Advanced event correlation (on-prem and cloud) and behavioral patterns with AI and Dynamic Threat Models
- Behavior baselining and profiling for anomaly detection leveraging Machine Learning techniques
- Contextual enrichment with threat intelligence (70+ sources), vulnerability assessment and historical data
- Exhaustive reporting across several key areas - security, compliance, operations and investigation
- Rules based policy creation, enforcement and notification for appropriate action and governance



Comprehensive Visibility

Uncover myriads of threat vectors lurking inside auto-discovered hosts, network, cloud, OT and IoT with 360° inference drawn from events, network traffic, packets, identities and behavioral patterns.

Mean Time to Identify and Respond

Considerably shorten Mean-Time-To-Identify (MTTI) and Mean-Time-To-Response (MTTR) with automated threat detection and remediation in real-time and near real-time through registered alerts, critical and major.

Reduction in Operational Backlog and Human Error

Significantly reduce operational backlog and human error with Dynamic Threat Models and Advanced Correlation orchestrated through Artificial Intelligence, avoiding weeks of custom correlation, tuning and human error.

Continuous Compliance

Ensure compliance 24x7 through regulation focused audit and reporting on PCI-DSS, HIPAA, NIST, GDPR and more, in addition to security posture, operations and investigations reporting.

Accuracy and Speed

Gain edge over adversaries and hackers with real-time processing of big/fast data at speed, combined with behavioral anomalies and threat intelligence to arrive at validated threat indicators.

Scalability and Flexibility

Harness the power of flexible deployment through on-premise, cloud or MSP hosted solution spanning multiple sites – data center and branch offices – with multi-tenancy and data segregation at the core of platform architecture.

System Requirements

CCE: Virtual or Physical Machine with 4 Core CPU, 4 GB RAM, 256 GB HDD, 1 GigE Network Interface

APE: Virtual or Physical Machine with 32 Cores CPU, 128 GB DRAM, 2 TB NVMe SSD (30K/10K IOPS)

LTS: 40 TB HDD

CCE can be deployed on-premise (ideally close to the main network switch) or in cloud. APE and LTS are bundled together and hosted on-premise or in cloud.

Array of Use Cases and Threat Vectors Addressed by Seceon aiSIEM

- **Cyber Crime**

  Malware <> Ransomware <> Advanced Persistence Threats, Botnet Detection <> Trojan Activity
- **Insider Threat**

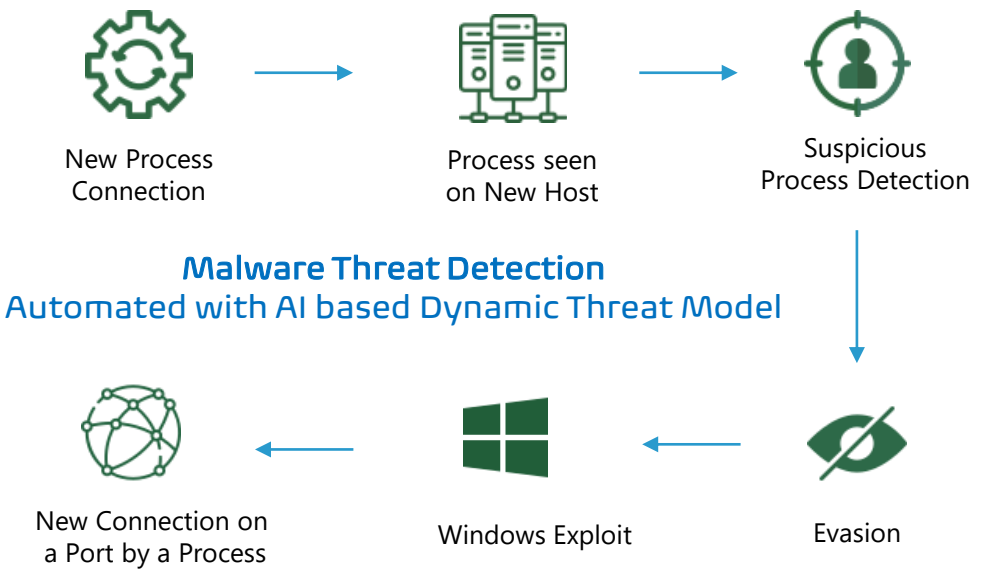
  Malicious Insider <> Compromised Credentials <> Privilege Misuse <> Suspicious Login
- **DDoS**

  Application Layer <> Volumetric <> SYN-ACK Flooding <> Amplification Attacks
- **Web Exploits**

  SQL Injection <> Cross-Site Scripting <> Local File Inclusion <> Directory Traversal <> Remote File Execution <> Cross-Site Request Forgery
- **Brute-Force**

  Password Spraying <> Dictionary Attack <> Credential Surfing
- **Other**

  Data/IP Exfiltration <> IoT/IIoT Cybersecurity <> OT/ICS Cybersecurity



Key Technology Components of Seceon aiSIEM

Control & Collections Engine (CCE)

The CCE orchestrates collection of events and network flow data across assets deployed within the enterprise and cloud. It applies intelligent detection for enrichment of *structured and unstructured data* before routing to the OTM core through a secure connection.

Analytics & Processing Engine (APE)

The APE forms the core of aiSIEM, processing *high-volume high-velocity data in real-time*, while feeding threat intelligence, behavioral anomalies, historical context and vulnerability scan results to dynamic threat models running on AI and ML based engines.

Long Term Storage (LTS)

The LTS compresses, encrypts and stores log data – on-premise or cloud, for archival and compliance (upto 7 years). Forensic search can be conducted through simple queries and Boolean operations.

Dashboard: Get a summary view of Open/Close Status, Top Alerts by Threat Type, Top Users and Hosts with Critical & Major Alerts

Behavioral Analytics: Have a quick curated understanding of your user behavior - ranging from Abnormal Logins and File Access to potential Insider Threat activity and Brute Force attack

Alerts Analysis: Understand the nature of alerts and underlying threat indicators, including assets and users impacted. Drill down further to look at the event or network flow attributes (Source IP, Destination IP, Event Type, Timestamp, Process Name etc.)

Threat Hunting: Dive deeper into threat indicators across various sources - network, host, device and ML - and drill down into the actual event with rich contextual data (Event Type, Source, Host, Destination, User Name etc) presented in easy-to-read format.

MITRE ATT&CK: Get a consolidated view of Tactics and Techniques adopted by adversaries, mapped into sub-techniques and threat indicators - offering granular details on underlying events

Compliance Reporting & Audit: Stay current and stay informed with regulatory compliance check and balances all the time - PCI-DSS, HIPAA, NIST, GDPR etc - even as your business grows with users, assets and digital footprint

Auto-Remediation: Define specific criteria for auto-remediation based on severity type, confidence level, security alert type and asset category, including action path (Firewall, NAC, EDR) and schedule, causing minimum disruption to business.

Provisioning & Administration: Set up Policy Controls, Blacklist/ Whitelist, Application Constructs, Cloud Configuration, Asset Discovery, MFA, Encryption – through unified User Interface

7 Days

Only Alerts that Matter

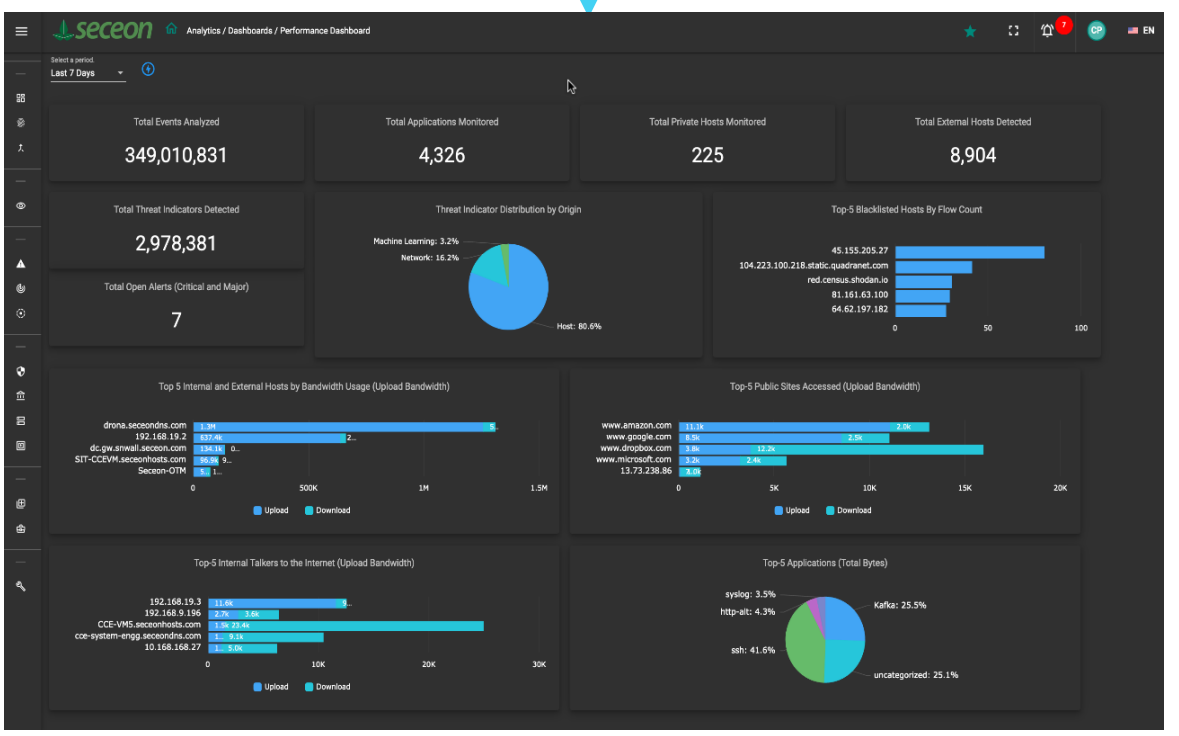
349,010,831
Events Analyzed

1/20

2,978,381
Threat Indicators Detected

1/5000

7
Critical & Major Alerts



seceon

info@seceon.com,
sales@seceon.com
www.seceon.com

238 Littleton Road Suite #206 Westford, MA 01886,USA
+1 (978)-923-0040