GMST SECURITY ANALYTICS (SA)

CRITICAL VISIBILITY ACCELERATING DETECTION ACROSS MODERN HYBRID IT ENVIRONMENTS

CLOUD. HYBRID, OR ON-PREMISE.
Gain critical threat visibility that evolves regardless of your environment. Remove potentially dangerous blind spots.

DETECT. HUNT. PRIORITIZE.
Identify the most elusive of threats. Focus on those that matter most.

VALIDATE. ACCELERATE. REMEDIATE.
Minimize threat actor dwell time with rapid response to prevent business disruption.

COMPLIANCE. REPORTING. SIMPLIFICATION.
Realize the traditional benefits of a SIEM without the complexity and cost.
Whether your data is on-premises, in the cloud or somewhere in between, GMST SA evolves with the requirements of your modern hybrid IT environment. This cloud-native, SIEM alternative, embedded in GM Security Technologies Managed Detection and Response services, aggregates meaningful and actionable intelligence from your network assets, endpoints, applications and cloud services. And, you can have it up and running in a fraction of the time of a traditional SIEM.

GMST SA is designed to be more than a compliance and reporting tool. GMST SA provides critical visibility across your threat landscape to GMST Security Operations Center (SOC) analysts who leverage big data analytics, machine learning, customized rule-sets and behavioral analysis to make sense of expected and unexpected events and behaviors across your environment. Proprietary threat-hunting methodology and full forensic investigation are performed to confirm a threat’s presence and determine the extent to which the threat actor has spread. Minimizing threat actor dwell time, false positives are eliminated and our analysts alert you to confirmed threats, giving you step-by-step guidance to contain and eliminate attacks. Data visualizations, customizable reporting and KPIs are available, giving your team visibility to what our analysts are investigating and ensuring you meet the strictest of regulatory requirements.

**VISIBILITY**

GMST SA handles the on-premises sources you expect a traditional SIEM to cover, with the added ability to support a collection of custom applications via script. It also delivers an extensive library of available integrations including, but not limited to:

**AWS Services**
- Microsoft
  - Active Directory
  - Azure
  - O365

**Compliance and Security**
- Box
- Duo
- Cylance
- Crowdstrike
- Cisco ASA
- Okta
- Palo Alto
- Trend Micro
- Zscaler

**Database**
- Microsoft SQL
- MongoDB
- MySQL
- Oracle

**DevOps**
- Docker
- Github
- Jenkins
- Kubernetes

**Google Compute Platform**

**IT Infrastructure**
- Host Metrics
- Linux
- Windows

**Operating System**
- Apache
- Apache Tomcat
- IIS
- Nginx

**Storage**

**Web Server**
WHAT IS GMST SA DESIGNED TO SOLVE FOR?

• Improving visibility and scalability across hybrid IT environments
• Reducing costly deployment, staffing and ongoing maintenance requirements
• Accelerating time-to-value
• Applying advanced analytic and hunting capabilities to detect known and unknown threats
• Correlating multiple events into a single incident
• Mapping threats to affected resources
• Performing ad hoc queries on stored data for forensics
• Accelerating investigation and response times
• Eliminating false positives
• Prioritizing alerts
• Simplifying reporting
• Addressing policy and compliance requirements

FEATURES

24X7 monitoring with critical threat visibility.

Cross-Platform Monitoring and Visibility
GMST SA collects, aggregates and monitors data across on-premises, cloud, multi-cloud and hybrid platforms like AWS, Microsoft Azure, Apache, and the Google Cloud Platform providing our 24x7x365 SOC analysts with critical visibility to threats across your entire threat landscape.

Azure Cloud Security
GMST SA utilizes machine learning and monitoring capabilities across your Azure environment for real-time visibility, analysis and data visualizations.

Google Cloud Platform Security
GMST SA integrates directly into your GCP environment, providing instant insights into potential security issues and user activity for Google VPC, IAM, Cloud Audit and Google App Engine.

AWS Security
GMST SA integrates with your AWS cloud environment providing SOC analysts with a comprehensive view to see who is accessing AWS and when they make changes (CloudTrail), what they change (Config), where this impacts network traffic and latency (VPC Flow), and how this affects your security and compliance posture (Inspector).

Apps for Extended Log Analytics
GMST SA extends functionality of log analytics with an extensive library of apps that help optimize data collection for better security monitoring.
Embedded Threat Hunting and Forensic Investigation

GMST SA includes embedded threat hunting and forensic investigation of aggregated log data to accelerate precision that facilitates rapid response and threat containment.

Big Data Analytics

GMST SA leverages the power of big data and advanced analytics to end-user behavior, to detect anomalies (deviations from the established baseline) and to flag exceptions to identify real and potential threats.

Machine Learning Integration

GMST SA leverages the power of big data and advanced analytics to end-user behavior, to detect anomalies (deviations from the established baseline) and to flag exceptions to identify real and potential threats.

Real-time Search and Visualizations

GMST SA has preconfigured and customizable searches and dashboards with KPIs, giving our SOC analysts and your security team visibility into abnormal behaviors illuminating what matters most.

Log Retention

GMST SA retains all raw log data giving SOC analysts the ability to correlate information with data from ENDPOINT and NETWORK to conduct thorough forensic investigations, drill down into details and assist with root cause analysis on any security incident.

False Positive Elimination

GMST SA increases the velocity and accuracy of threat detection so our SOC analysts can determine what is noise vs. true security events to ensure your team is only alerted to verified threats.

Co-Management

GMST SA provides a co-managed model with access to run your own advanced search queries, generate alerts, manage profiles, run reports, and investigate events alongside our SOC analysts.

Time to Value

GMST SA is a pure SaaS offering that features simple-to-deploy collectors with rich filtering capabilities that can be up and running within minutes. It offers access to all the latest capabilities without the need for time-consuming, expensive deployment and upgrades.

Simplified Compliance Management Reporting

GMST SA ensures compliance mandates are met with centralized logging, continuous monitoring, and automated retention policies with various out of the box, and custom security reports that meet regulatory requirements such as HIPAA, PCI, SEC, GDPR, and more.
BENEFITS

• Comprehensive 24x7x365 threat monitoring
• Complete threat visibility across your threat landscape
• Flexibility to run your own queries, alerts, profiles, reports, and investigate events alongside analysts
• Removes traditional complexity and cost of a SIEM with rapid time-to-value
• Comprehensive, correlated and accurate analytics of security events provided
• Detection of known and unknown threats

• Improved post-attacks forensics
• Reduction of false positives
• Minimizes threat actor dwell time with integrated response
• Threat containment and co-managed remediation
• Unparalleled insight with visualizations and customizable searches
• Simplified compliance management and reporting

HOW DOES IT WORK?

Managed Detection And Response Platform

Data enrichment and cross correlation of logs, PCAP and full endpoint telemetry
• Behavioral analytics
• Machine learning
• Big data analytics

Threat Intelligence

Security Operations Center
• Forensic investigation
• Confirmation of true positive
• Tactical threat containment
• Co-managed remediation

Network

Endpoints

Active Directory

Identity and Access Management

Cloud

Client IT / Security Team

Client

on-premises and cloud-based collectors

Alerts - Containment

Bi-Directional Communication

Managed Detection And Response Platform

Suspicious Events
• Anomalies
• Potential Threats

Network Assets

Applications

Endpoints

Active Directory

Identity and Access Management

Network

Endpoint

Log

Platform Co-managed

Client IT / Security Team
**BETTER TOGETHER: GMST SECURITY ANALYTICS**

Logs provide critical visibility that enable better observation, orientation and decision making in disrupting the attacker kill chain. But, logs alone are limited in the depth of data that permits deeper investigation and remediation of security incidents. In addition, log-based security can delay detection of events and response due to lag time of inbound signals as opposed to the near-instantaneous feedback of a live network stream or endpoint technology. The greater the signals and forensic data available to analysts, the greater their ability to cross-correlate information that accelerates hunting, detection and response.

GMST provides the gold standard for forensic data, with timestamps, full-packet capture and analysis with the ability to contain threats through TCP resets. GMST provides deep insight into processes, file changes, and more at the host level, with the ability to isolate damaged systems or stop processes in near real-time. GMST SA, when deployed in combination with Palo Alto Networks Traps and Palo Alto NGFW, provides our SOC analysts with a comprehensive set of enriched signals that eliminates blind spots in which threats can lurk. Most Managed Detection and Response providers rely solely upon log data and are limited to simple alerts generated by myopic prevention technologies. GMST SA, when deployed with PA Traps and PA NGFW, enables our analysts to go beyond alerts empowering their ability to take action on your behalf. Implementing host isolation or network communication disruption, threats are contained in near real-time, mitigating risk to our organization.

---

**WHY GMST SECURITY ANALYTICS**

<table>
<thead>
<tr>
<th>Initial Deployment and Setup</th>
<th>Other Managed Security Services Providers</th>
<th>GMST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account/Role Setup</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Setup/Deployment/Configuration of Collectors</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Configuration of Sources</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Training and Onboarding</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Dashboard Setup</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Ongoing Dashboard Maintenance</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>On-going Operations</th>
<th>Other Managed Security Services Providers</th>
<th>GMST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deployment/Setup of New Collectors and Apps</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Parsing Operations</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Log Collection, Management and Correlation</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Writing of Search Queries</td>
<td>Limited</td>
<td>✓</td>
</tr>
<tr>
<td>Modification of Search Queries</td>
<td>Limited</td>
<td>✓</td>
</tr>
<tr>
<td>Creation of Reports</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Modification of Reports</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Patches, Hot fixes, and Functional Updates</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Creation of Correlation Rules</td>
<td>Limited</td>
<td>✓</td>
</tr>
<tr>
<td>Modification of Correlation Rules</td>
<td>Limited</td>
<td>✓</td>
</tr>
<tr>
<td>Threat Intelligence Integration/Updates</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Other Managed Security Services Providers</strong></td>
<td><strong>GMST</strong></td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td><strong>Monitoring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24x7 Monitoring</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Incident Investigation and Management</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Threat Hunting</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Forensics &amp; Investigation</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Correlation With Full Endpoint Telemetry*</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Correlation With PCAP Data From The Network*</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>False Positive Elimination</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Alerts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tactical Threat Containment: Host*</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Tactical Threat Containment: Network*</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Response Plan</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Remediation Guidance</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Reporting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daily Log Review For PCI</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Monthly Reporting (system generated)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Creation/Maintenance of standard reports</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Creation/Maintenance of customized reports</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Compliance Report Creation/Updates</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Report Validation and Review</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

**NEXT STEPS**

Get in contact with us!

**Twitter:**
@GMSECTEC

**Web:**
www.GMSECTEC.com

**Email:**
info@gmsectec.com
ABOUT GM SECURITY TECHNOLOGIES:

GM Security Technologies offers innovative solutions and services in cybersecurity, governance, and compliance focused on managing digital risk. Its solutions are designed to detect advanced attacks and respond to them effectively, reducing business risk, fraud, and cybercrime. Founded in 1970 as General Computer Corporation and later as GM Group in the 1990s, GM Security Technologies has an extensive track record and experience in the management of policies and integrated processes of technologies and standards for data protection in payment system risk. Its commitment to the principles of simplicity, innovation and customer success has made them the leading and fastest growing provider of security and technology in Latin America and the Caribbean.

To learn more about GM Security Technologies, visit our website: www.gmsectec.com