



# Beyond Defense: Crafting Resilient SOCs for Tomorrow's Cyber Frontiers

Major (Ret) Christos NTRIGKOGIAS,  
FOUNDER AND CEO

*Contributing in Cyber Defense..*

# Business Overview



**3** offices



Users in **17**  
countries  
worldwide



**4.500**  
SaaS platform  
users

## Logstail Participation in EU Cyber Defense

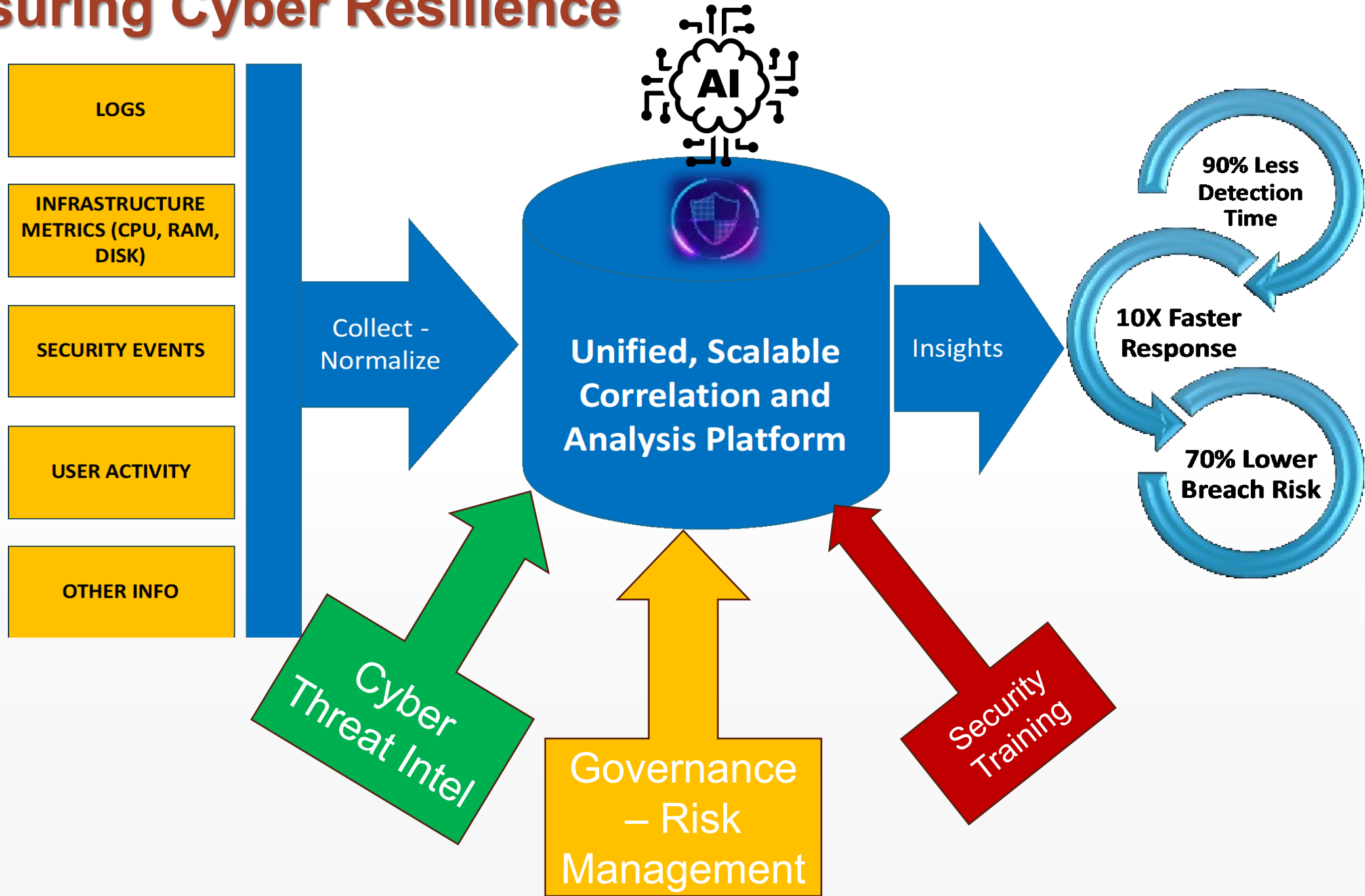
- Pandora (EDIDP) – Completed
- Alnception (EDF 21) – Ongoing
- Newsroom (EDF 22) – Ongoing



### Cyber Solutions Portfolio

- AI-powered monitoring suite
- Next gen XDR
- Security Audit
- Red Team Operations
- Incident Response
- Zero-trust Architecture Design
- › Real-time monitoring of interconnected military and space assets to detect and respond to cyber-threats.
- › Actionable Threat Intelligence (CTI)
- › Compliance monitoring and reporting
- › Data driven decision making

# Ensuring Cyber Resilience



# Reference Use Case



**Challenge:**  
**Lack of unified visibility  
of Organisation's IT / OT  
Ecosystem Security**

- 250+ IT /OT Assets
- 40+ Different Technologies and Products
- Air Gapped Environment
- Users / External Contractors Activity Monitoring

A large brown arrow points from this section to the results section.

**After 1 month of using Logstail:**

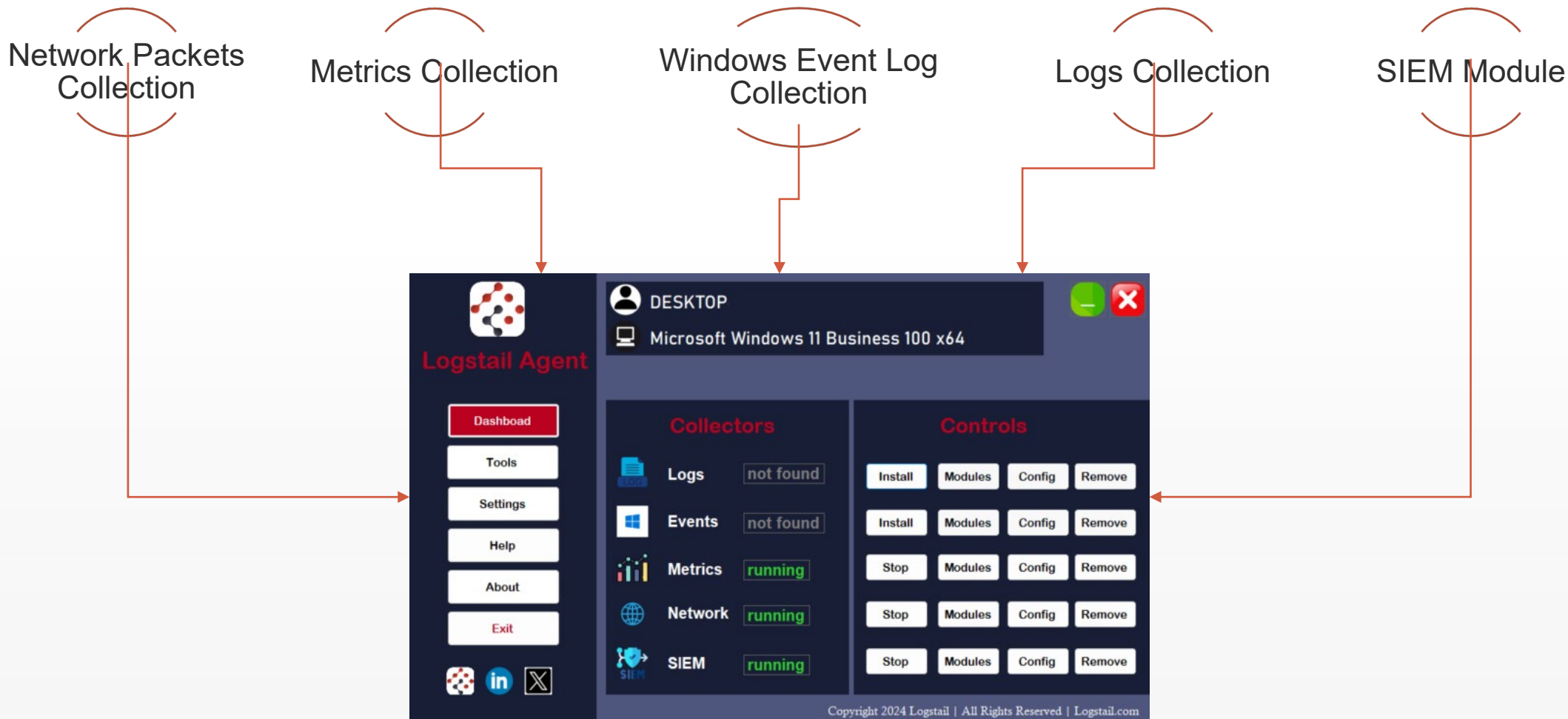
- From > **5UIs** → One unified UI
- Response: **2 hours** → 15 min
- Detection: **30 days** → 30min
- No Risk Plan** -> Unified Risk Management Plan

# SOC Modules



# Logstail Unified Agent

Lightweight software that runs on Windows hosts. It collects logs, metrics, network packets and security events from a variety of sources and sends them to Logstail Platform where you can analyse your monitoring and performance data.



# Endpoint Security

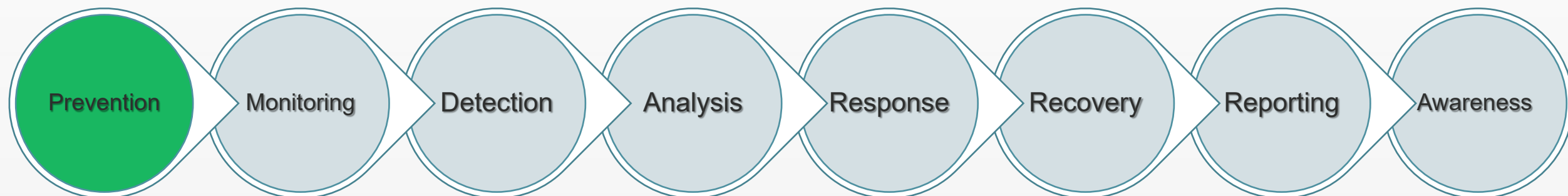
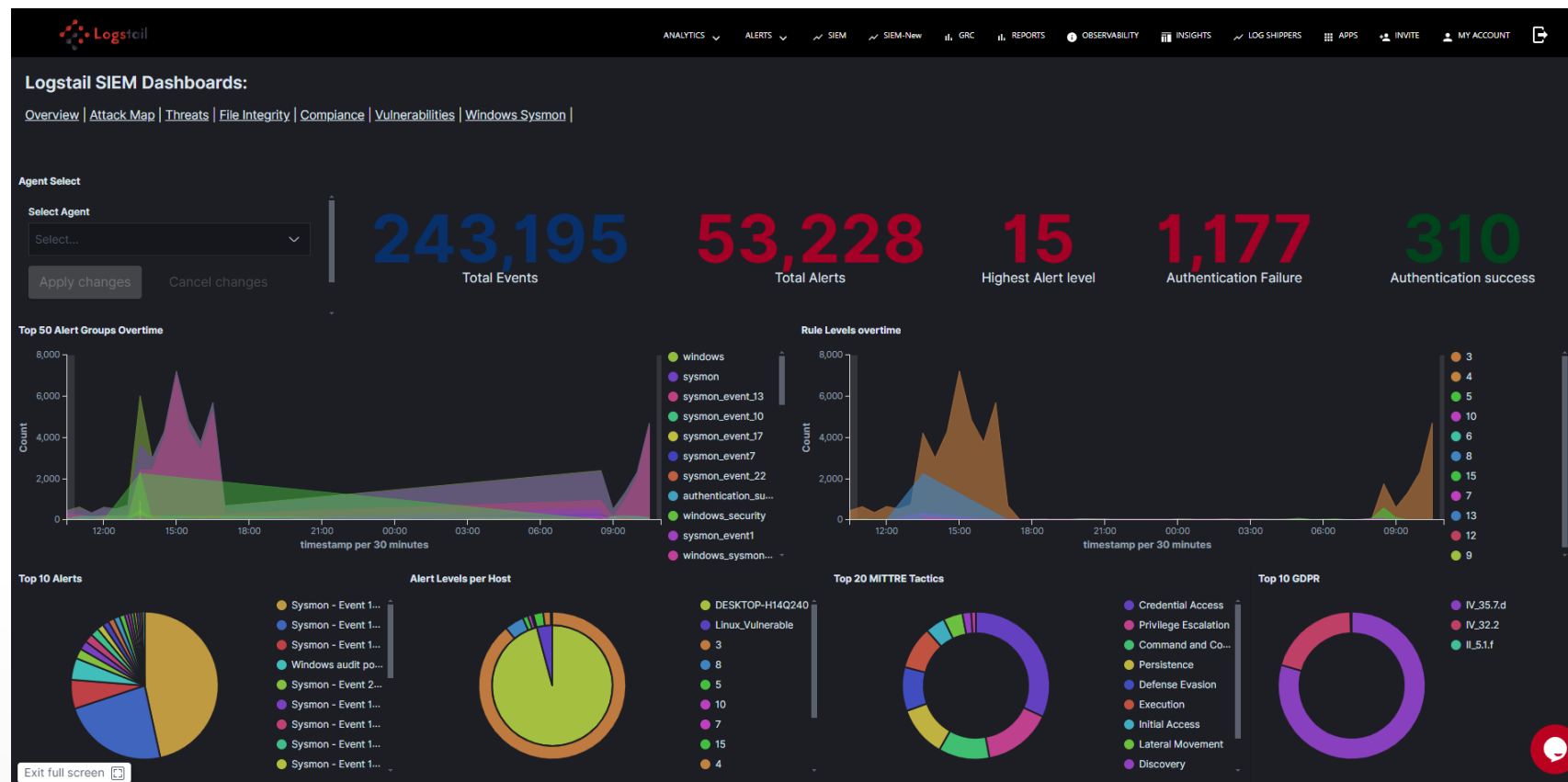
Data Sources: Logstail Unified Agent – OS native log collectors

## ➤ Detection Techniques:

- File Integrity Monitoring
- Security Configuration Assessment
- Software Vulnerabilities
- Malicious connections

## ➤ Capabilities & Skillset:

- Endpoint Attacks Detection
- Incident Response Skills
- Mitigation Actions based on MITRE ATT&CK



# Regulatory Compliance

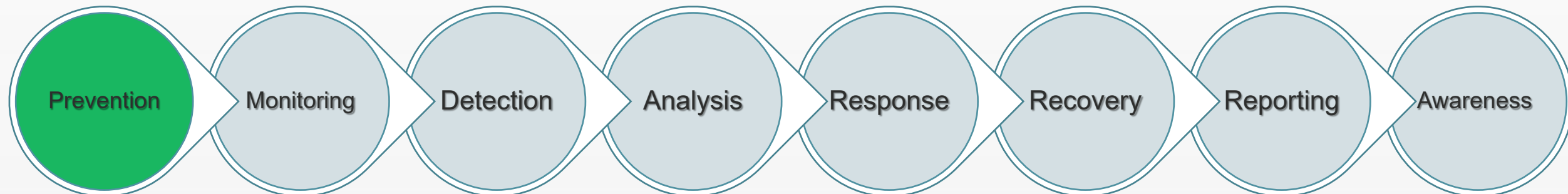
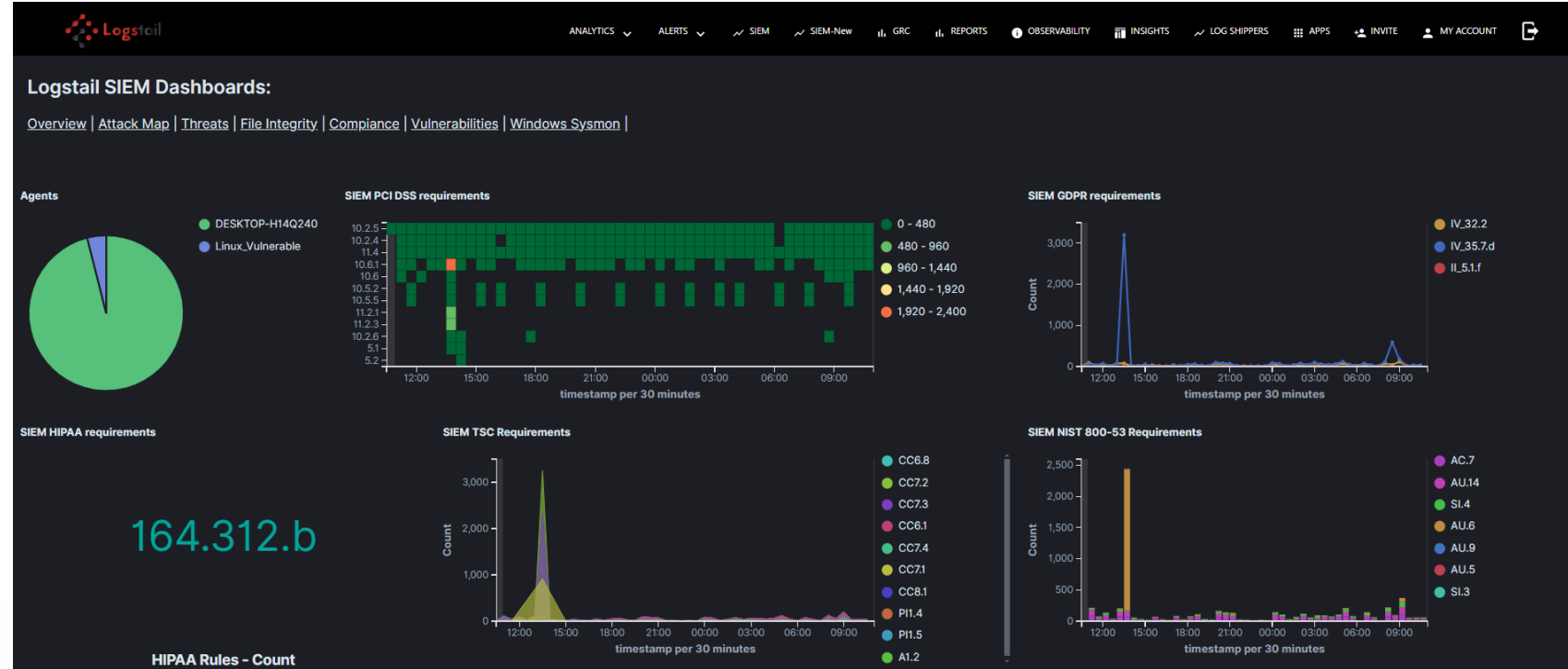
## Data Sources: Logstail Unified Agent

### ➤ Monitor Regulatory Standards:

- GDPR
- HIPAA
- NIST
- NIS2

### ➤ Capabilities & Skillset developed

- Familiarise with Compliance Regulations Requirements
- Self-Auditing skills
- Self-training with the integrated controls





# Vulnerability Scanning

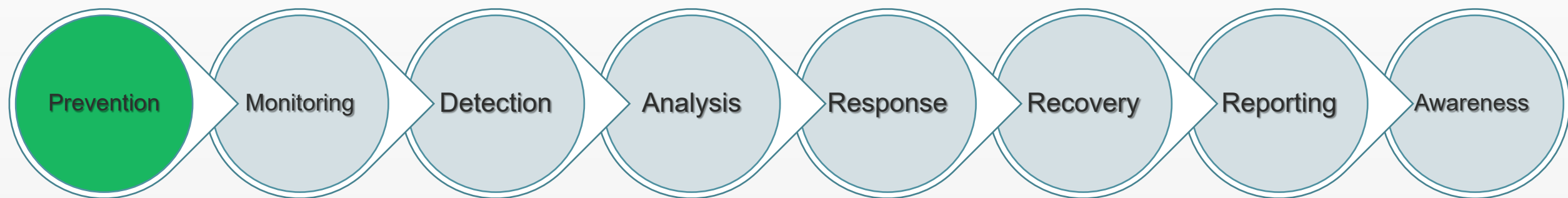
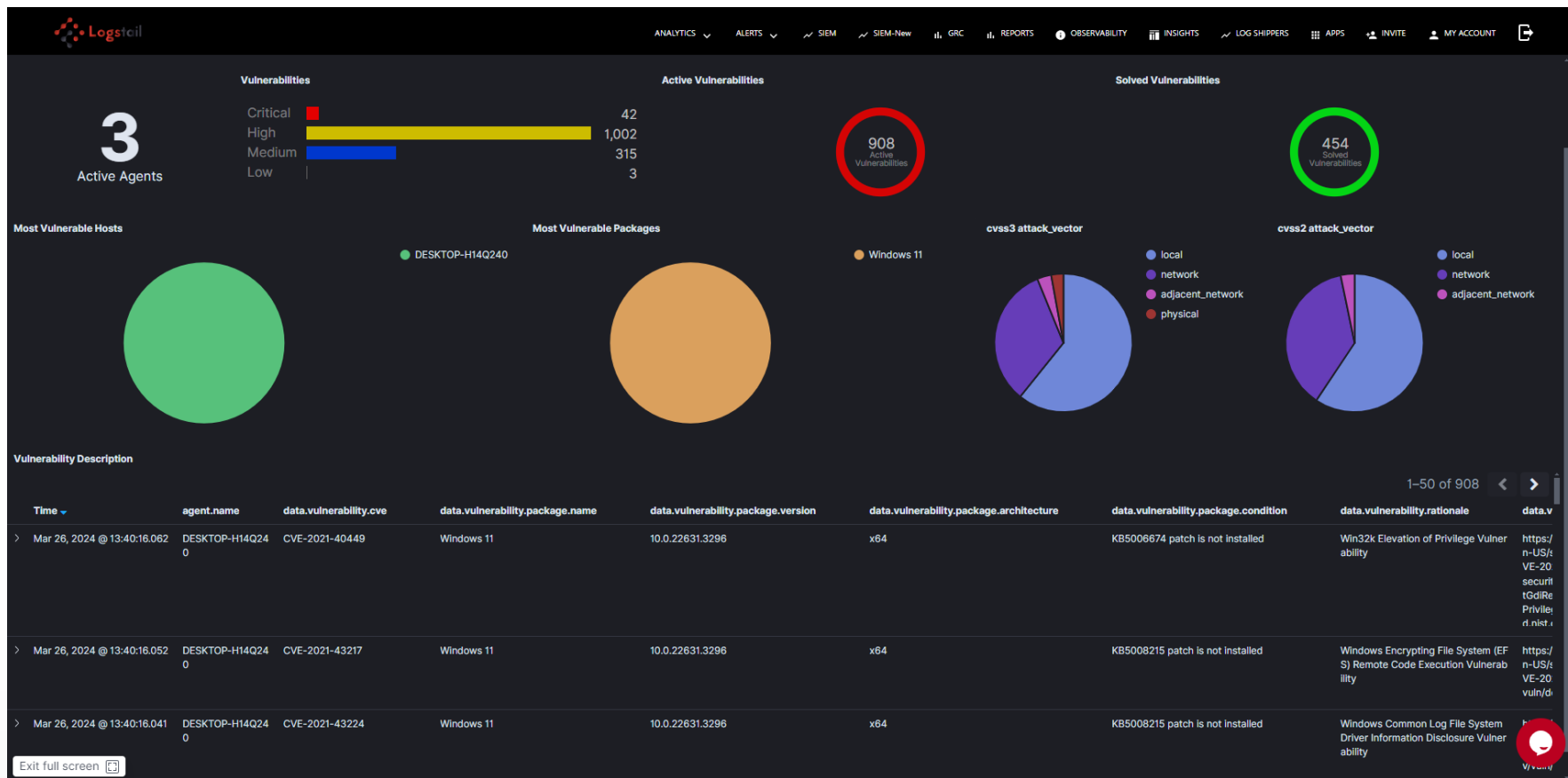
Data Sources: Logstail Unified Agent – OS native SIEM collector

## ➤ Detection Techniques:

- Vulnerability Detection

## ➤ Capabilities & Skillset:

- Find outdated software
- Prevent attacks



# Security Risk Governance (GRC)

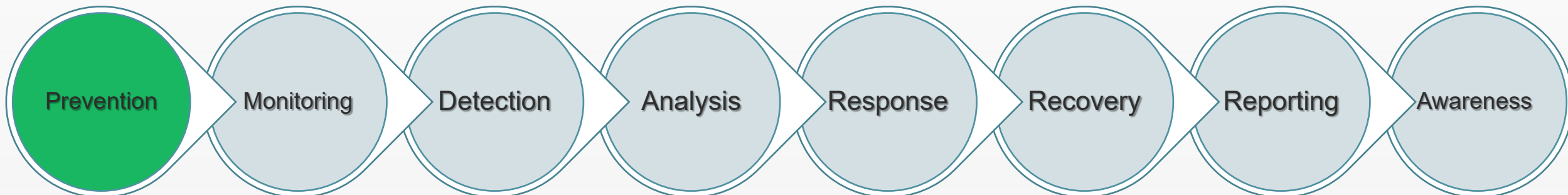
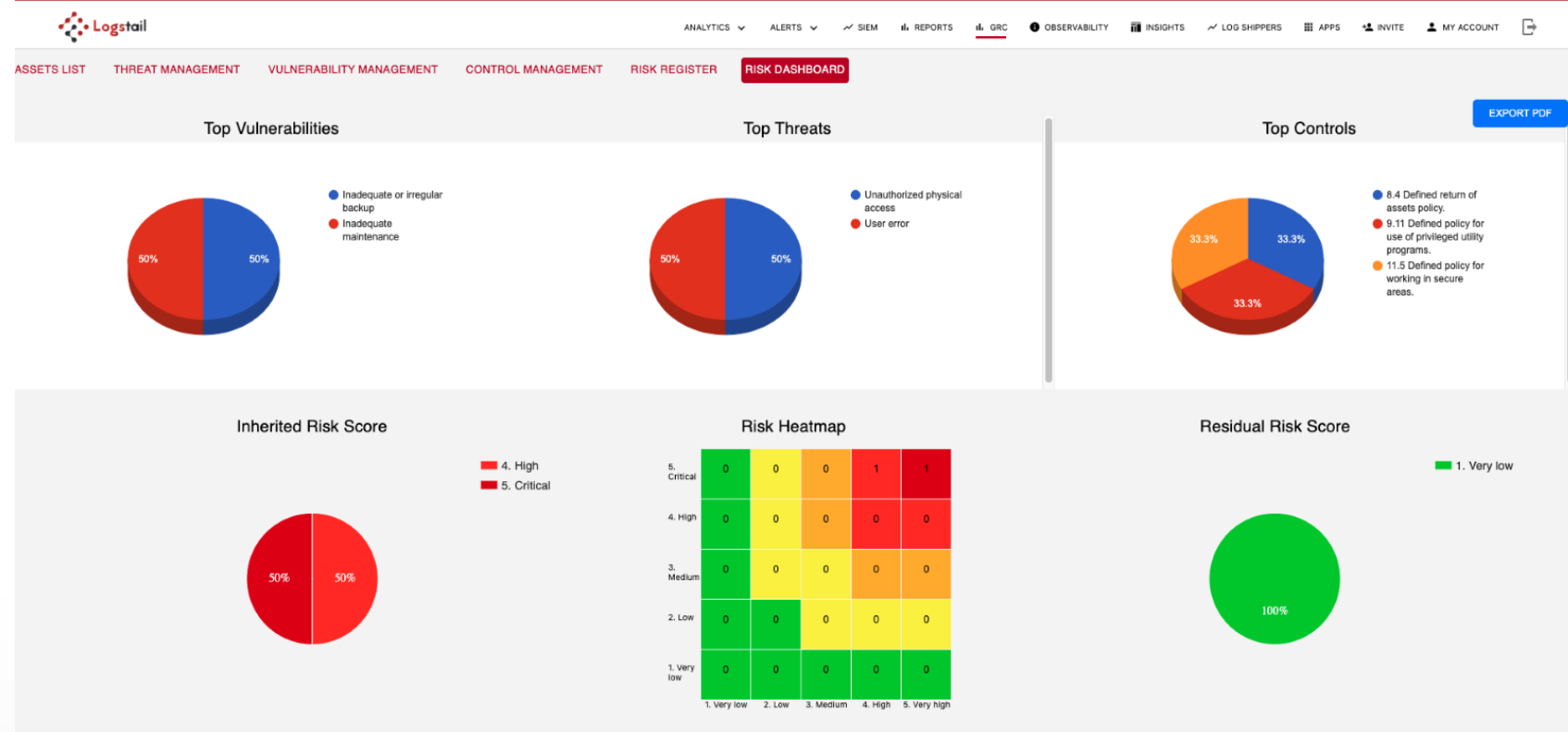
Data Sources: External Sources  
– Logstail Unified Agents –  
Manual Input

## ➤ Indicative Risk Standards:

- ISO 27001 (2022)
- NIST

## ➤ Capabilities & Skillset developed

- Familiarise with Security Risk Governance (GRC)
- Prepare for certification (Auditors, CISOs)
- Self-training with integrated controls



# Network Security

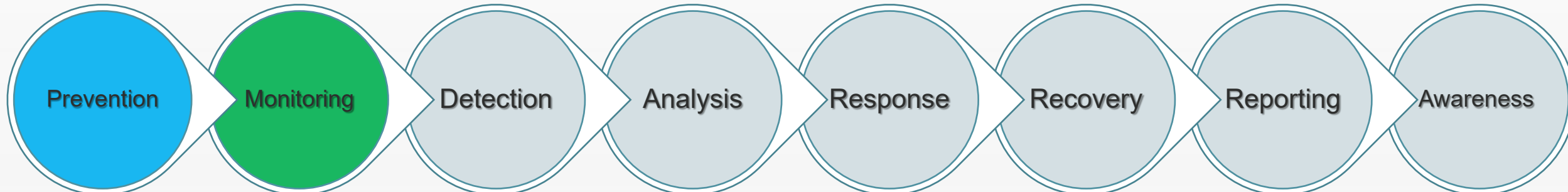
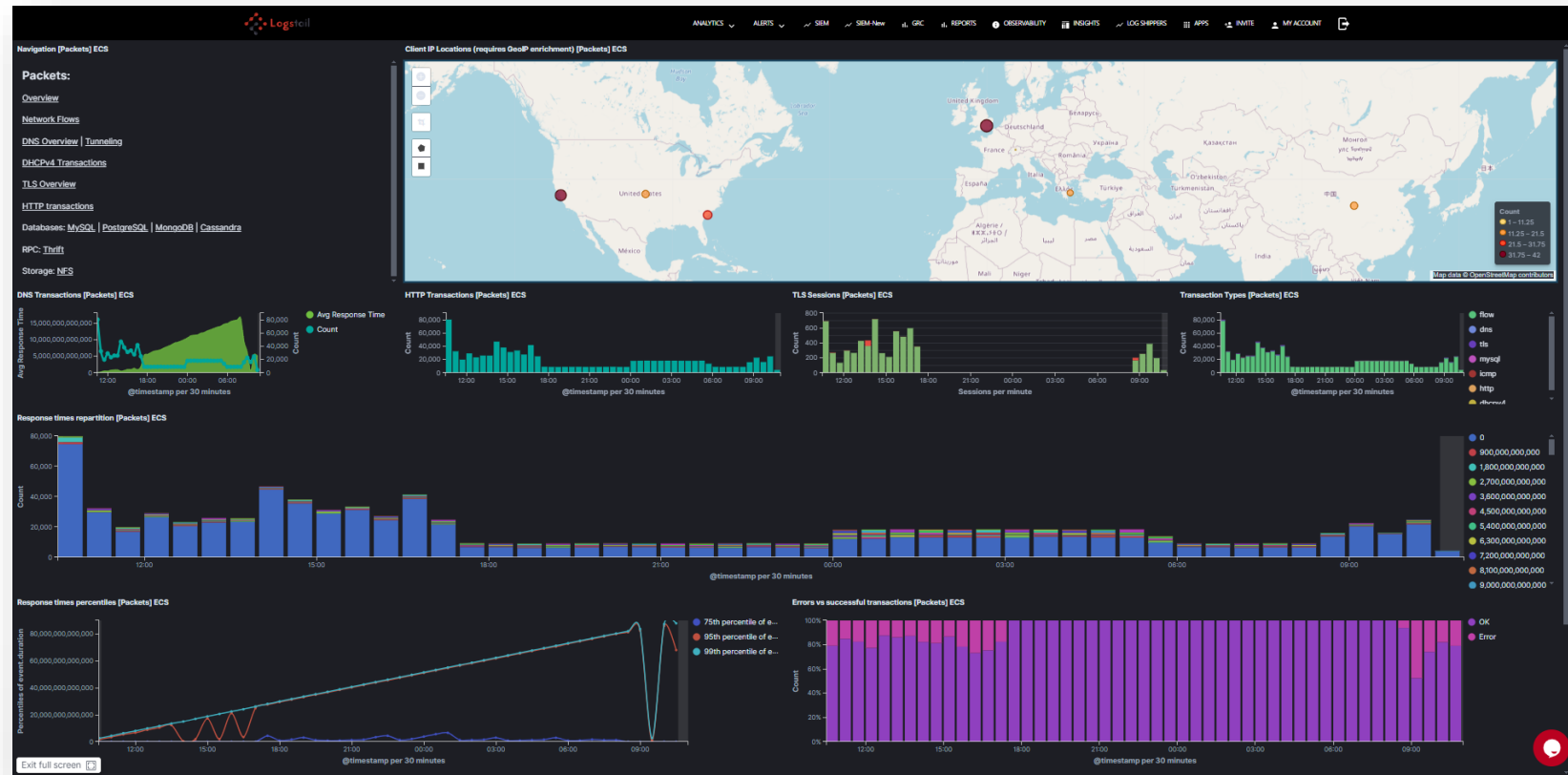
Data Sources: Network Devices (FWs, Routers, IDS, WAFs etc)

## ➤ Detection Techniques:

- Packets Inspection
- Network Protocols Analysis
- Malicious Traffic Detection
- Network Attack Map

## ➤ Capabilities & Skillset:

- Network Attacks Detection
- Incident Response Skills
- Mitigation Actions based on MITRE ATT&CK
- Rule-based - Autonomous alerts

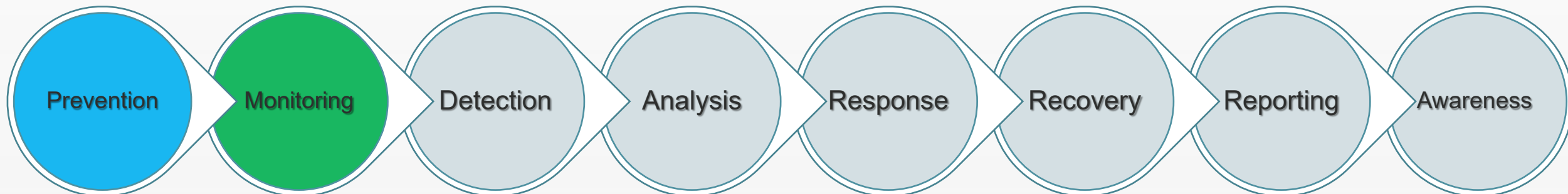
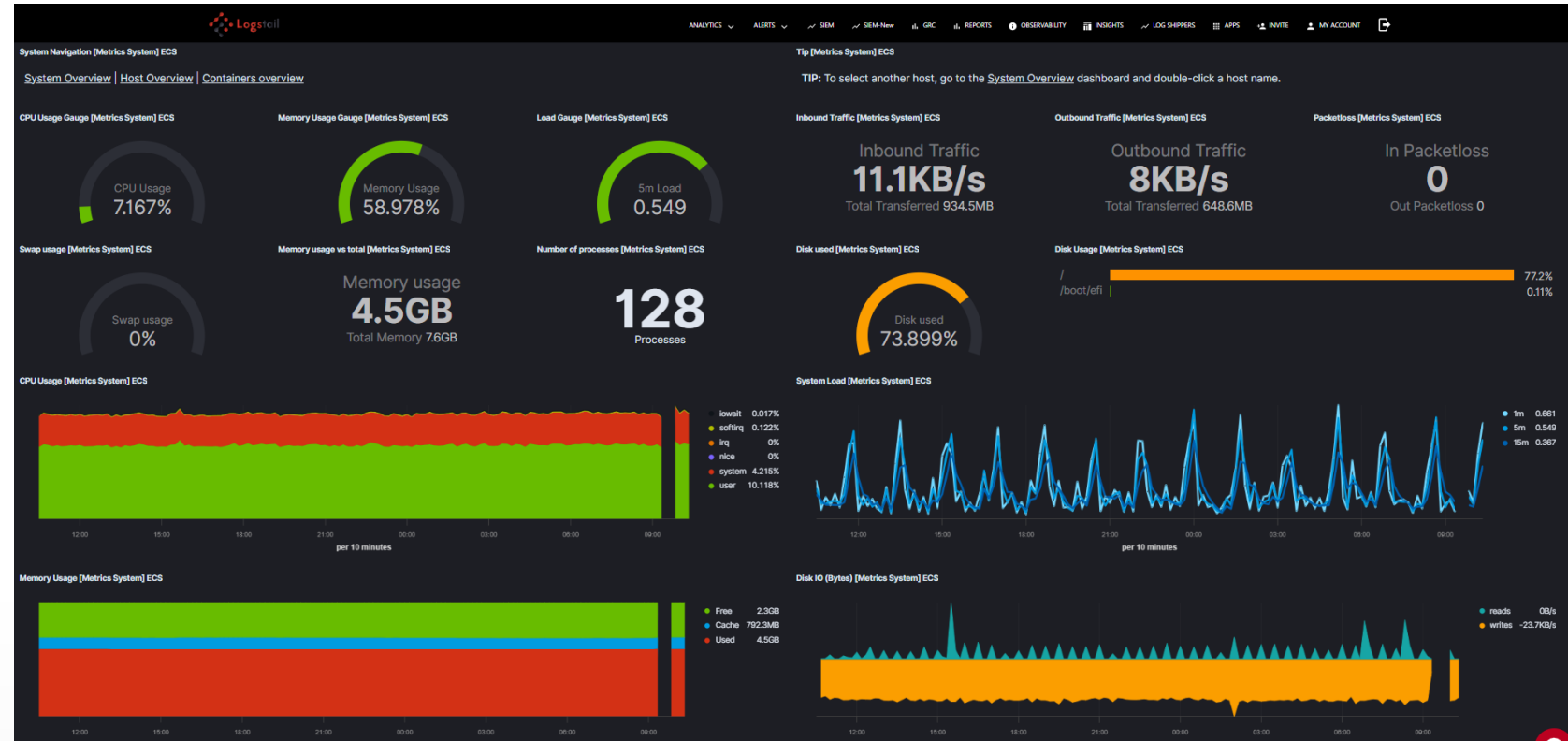


# Infrastructure Monitoring

Data Sources: Logstail Unified Agent – OS native metrics collectors

## ➤ Capabilities & Skillset:

- Spot unusual activities that might be threats.
- Catch hidden, ongoing attacks.
- Find and fix potential security risks due to device issues.
- Keep systems running smoothly to avoid security gaps.
- Know what normal looks like to spot when something's off.
- Look at data over time to spot trends and foresee threats.
- Find and fix overused or underused security resources.



# Rule Based Alerting

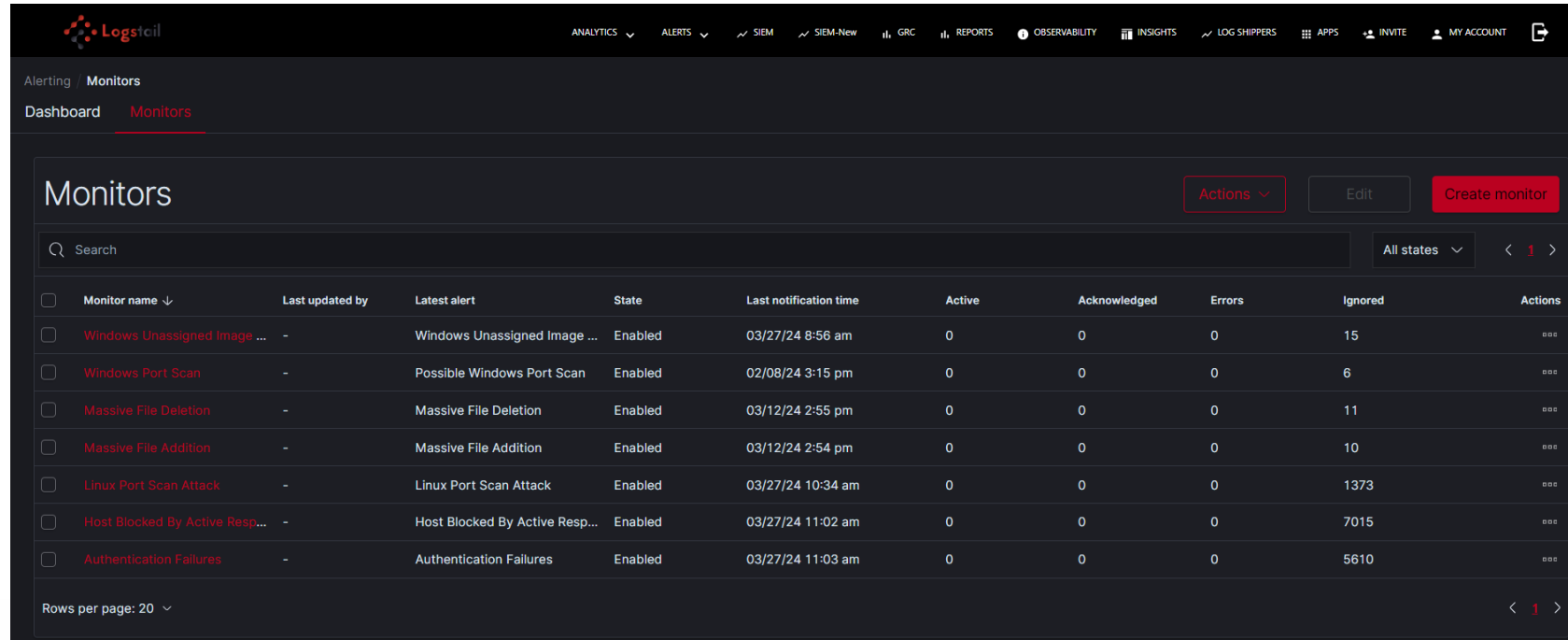
## Create Custom Alerts

### ➤ Alerting Capabilities

- Create Custom Alerting Rules
- Get the Alerts to Email or to a Custom Platform

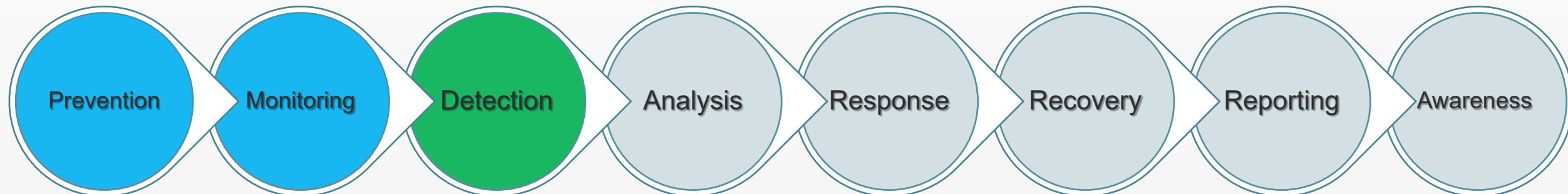
### ➤ Capabilities & Skillset developed

- Quick awareness of potential security threats, allowing for rapid response.
- Prioritize security tasks by distinguishing between critical issues and false alarms.
- Constant watch on the security environment, nothing slips through unnoticed!



The screenshot shows the Logstail Monitors interface. At the top, there's a navigation bar with various menu items like ANALYTICS, ALERTS, SIEM, etc. Below that, the 'Monitors' section is active. A search bar and 'All states' dropdown are visible. The main content is a table with columns: Monitor name, Last updated by, Latest alert, State, Last notification time, Active, Acknowledged, Errors, Ignored, and Actions. The table lists several monitors, including 'Windows Unassigned Image ...', 'Windows Port Scan', 'Massive File Deletion', 'Massive File Addition', 'Linux Port Scan Attack', 'Host Blocked By Active Resp...', and 'Authentication Failures'. Each row has a checkbox on the left and a three-dot menu on the right. At the bottom, there's a 'Rows per page: 20' dropdown and a pagination control.

Monitor name	Last updated by	Latest alert	State	Last notification time	Active	Acknowledged	Errors	Ignored	Actions
Windows Unassigned Image ...	-	Windows Unassigned Image ...	Enabled	03/27/24 8:56 am	0	0	0	15	...
Windows Port Scan	-	Possible Windows Port Scan	Enabled	02/08/24 3:15 pm	0	0	0	6	...
Massive File Deletion	-	Massive File Deletion	Enabled	03/12/24 2:55 pm	0	0	0	11	...
Massive File Addition	-	Massive File Addition	Enabled	03/12/24 2:54 pm	0	0	0	10	...
Linux Port Scan Attack	-	Linux Port Scan Attack	Enabled	03/27/24 10:34 am	0	0	0	1373	...
Host Blocked By Active Resp...	-	Host Blocked By Active Resp...	Enabled	03/27/24 11:02 am	0	0	0	7015	...
Authentication Failures	-	Authentication Failures	Enabled	03/27/24 11:03 am	0	0	0	5610	...



# Anomaly Based Alerting

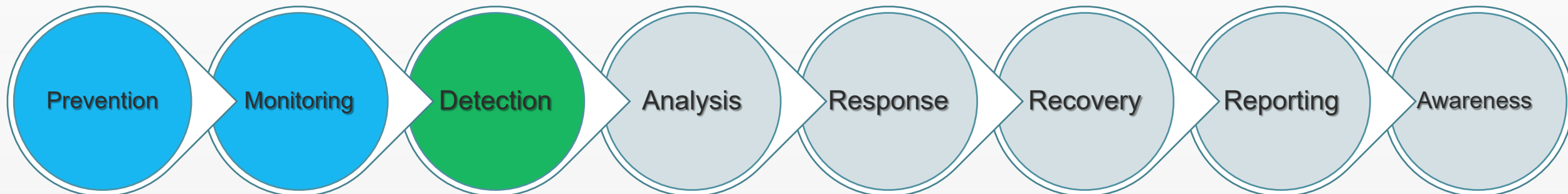
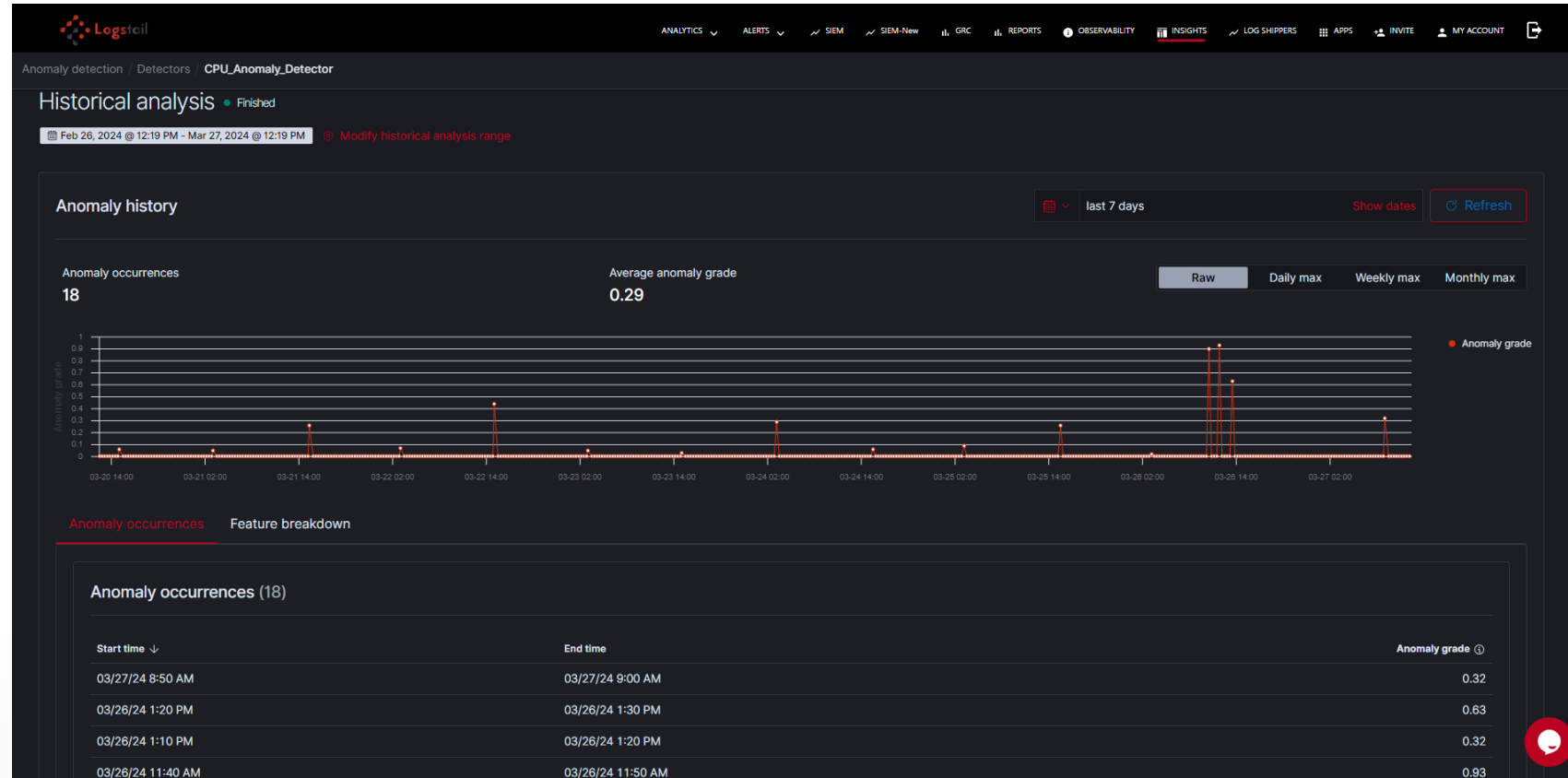
## Create Custom Detectors

### ➤ Alerting Capabilities

- Create Custom Anomaly Detectors
- Integrate with Alerting feature.

### ➤ Capabilities & Skillset developed

- Catches suspicious activities that could lead to data theft or loss.
- Continuously learns from normal behaviour, refining the detection of future anomalies.
- Identifies unusual behaviour early, often before specific threats are recognized.

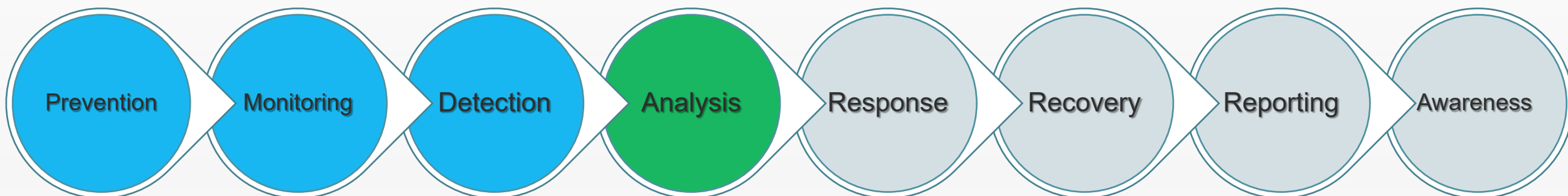
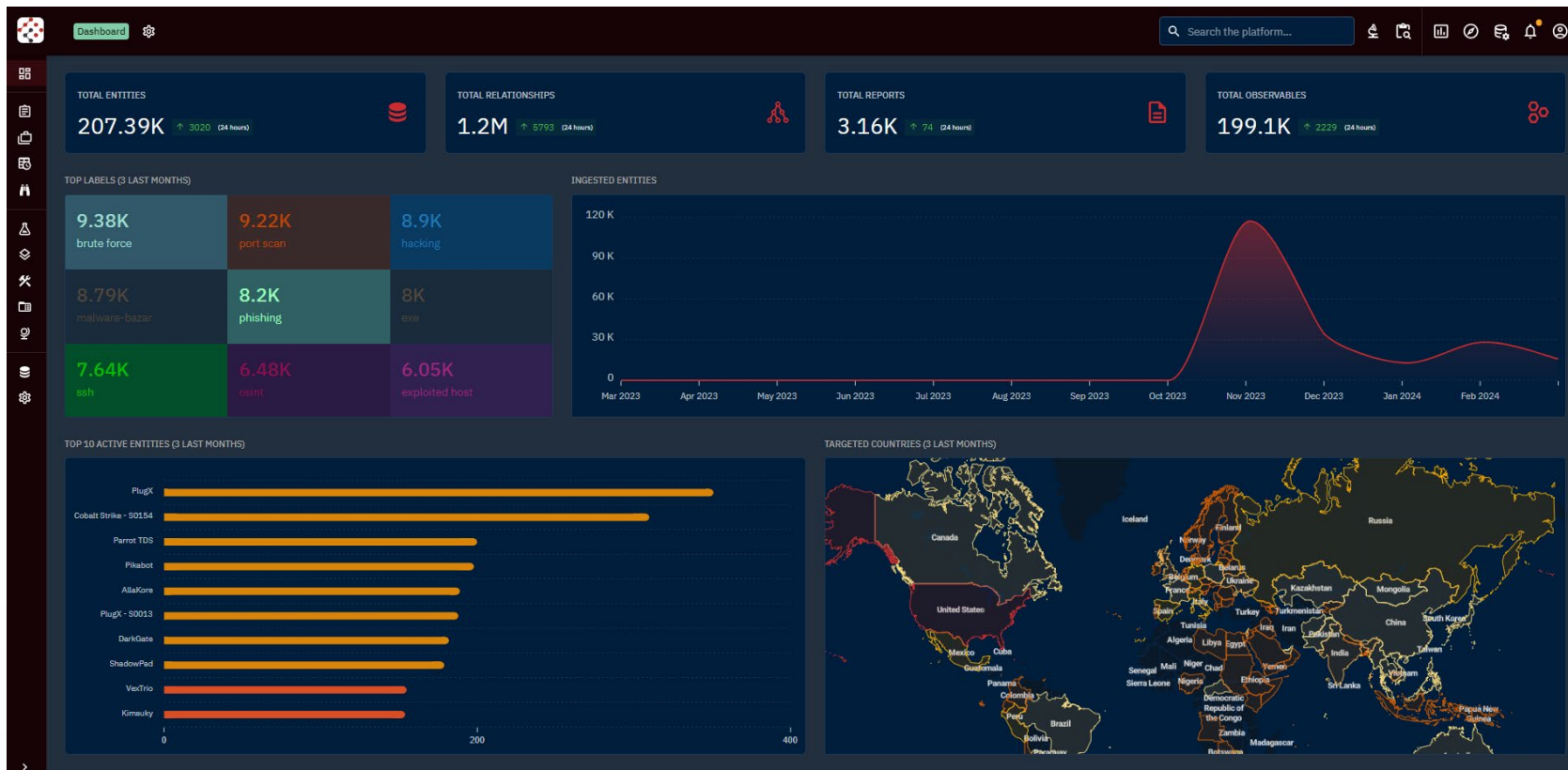


# Cyber Threat Intelligence

## Data Sources: Logstail CTI Module - MITRE ATT&CK

### ➤ Capabilities & Skillset developed:

- Leverage Threat Intelligence
- Incident Response Skills
- Mitigation Actions based on MITRE ATT&CK
- Mitigation Actions based on Logstail CTI Module



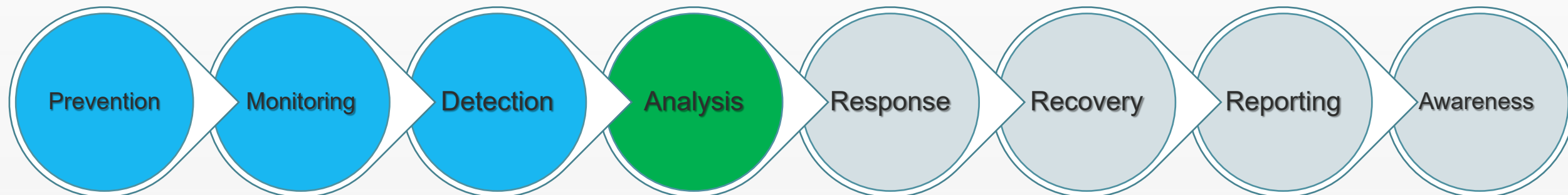
# Ticketing

## Integration with Ticketing Systems

### ➤ Skillset developed:

- Structured Response Workflow.
- Accountability and Tracking.
- Documentation for Analysis.
- Efficiency and Prioritization.
- Communication Channel.

The screenshot displays the Logstail interface for a specific ticket. The ticket title is '#3 - Multiple Windows logon failures'. It was opened on 2023-09-04 by an administrator and is currently owned by the administrator. The ticket status is 'Opened' and it has 4 related alerts. The interface includes a navigation menu on the left, a top navigation bar with options like Analytics, Alerts, SIEM, Tickets, Reports, Observability, Insights, Log Shippers, Apps, Invite, and My Account. Below the ticket title, there are buttons for 'Manage', 'Processors', and 'Pipelines'. A 'Case summary' section is visible, with a 'Changes not saved' warning and 'Edit' and 'Refresh' buttons. The ticket is associated with a customer named 'Unknown' and a SOC ID of 576399. Related tags include 'authentication failures', 'windows security', and 'windows'.



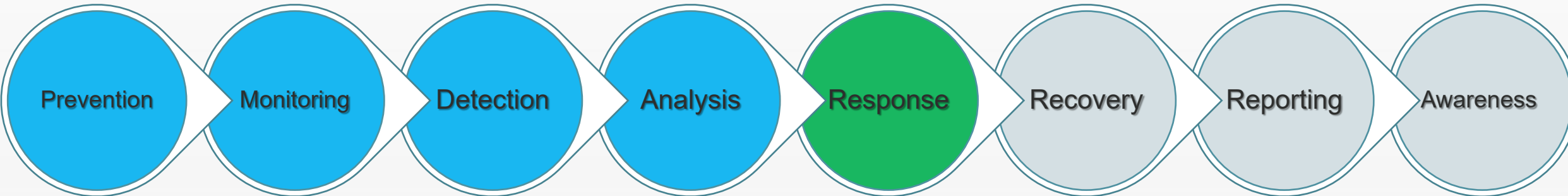
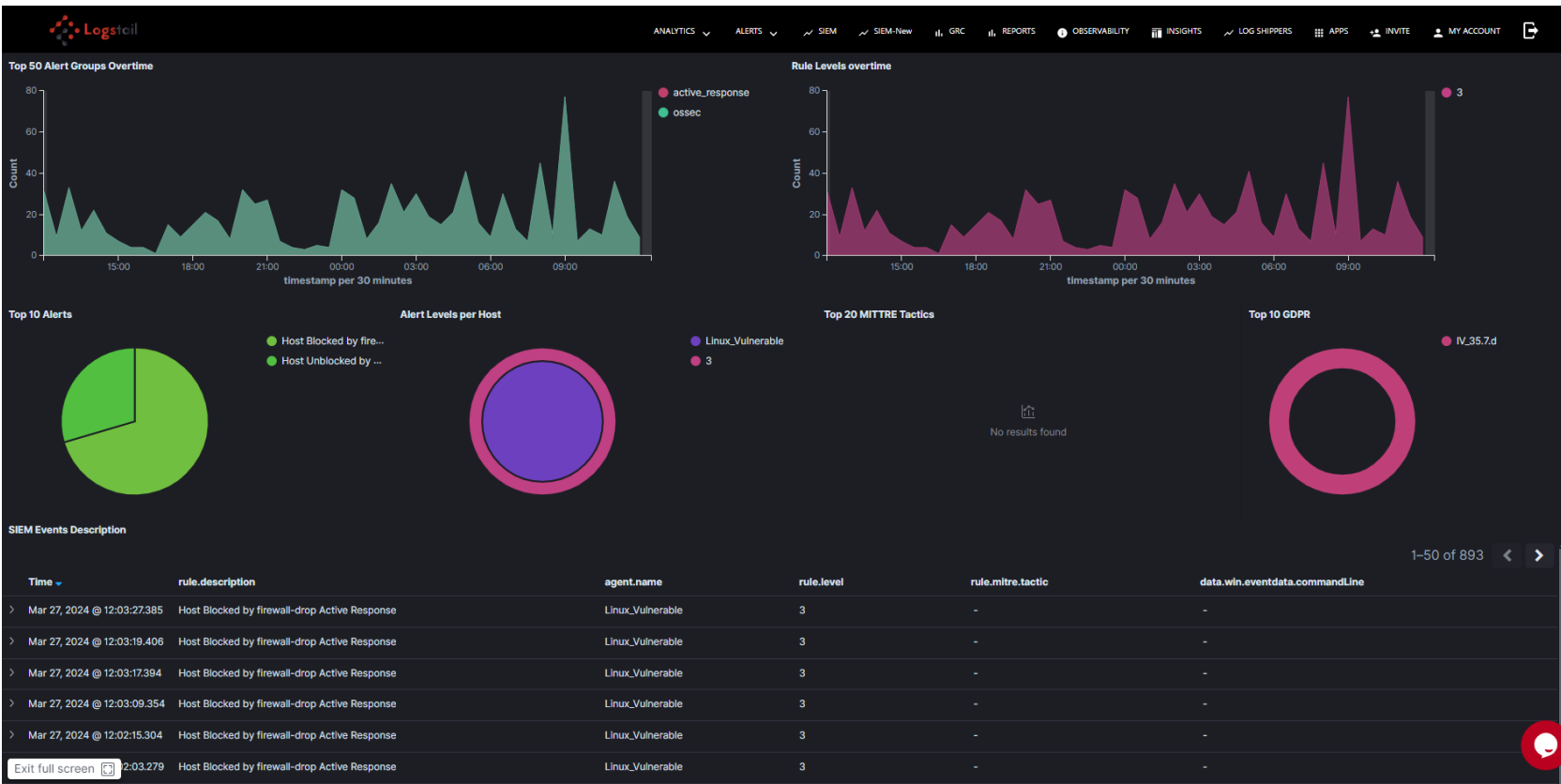


# Active Response

Response Scripts & Actions tailored to Environment

## AR Capabilities:

- Control Endpoints
- Develop Custom Responses
- Adapt security measures based on current threat landscape and incident feedback.
- Automatic Response based on Rules
- **Capabilities & Skillset developed:**
- Neutralize detected threats, reducing potential damage.
- Cut down the time between threat detection and response.
- Free up security teams by handling routine responses.
- Strengthen defenses by learning from attacks and improving responses over time.

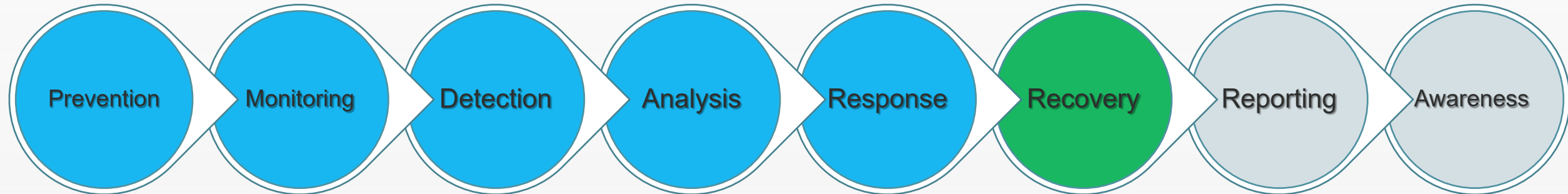
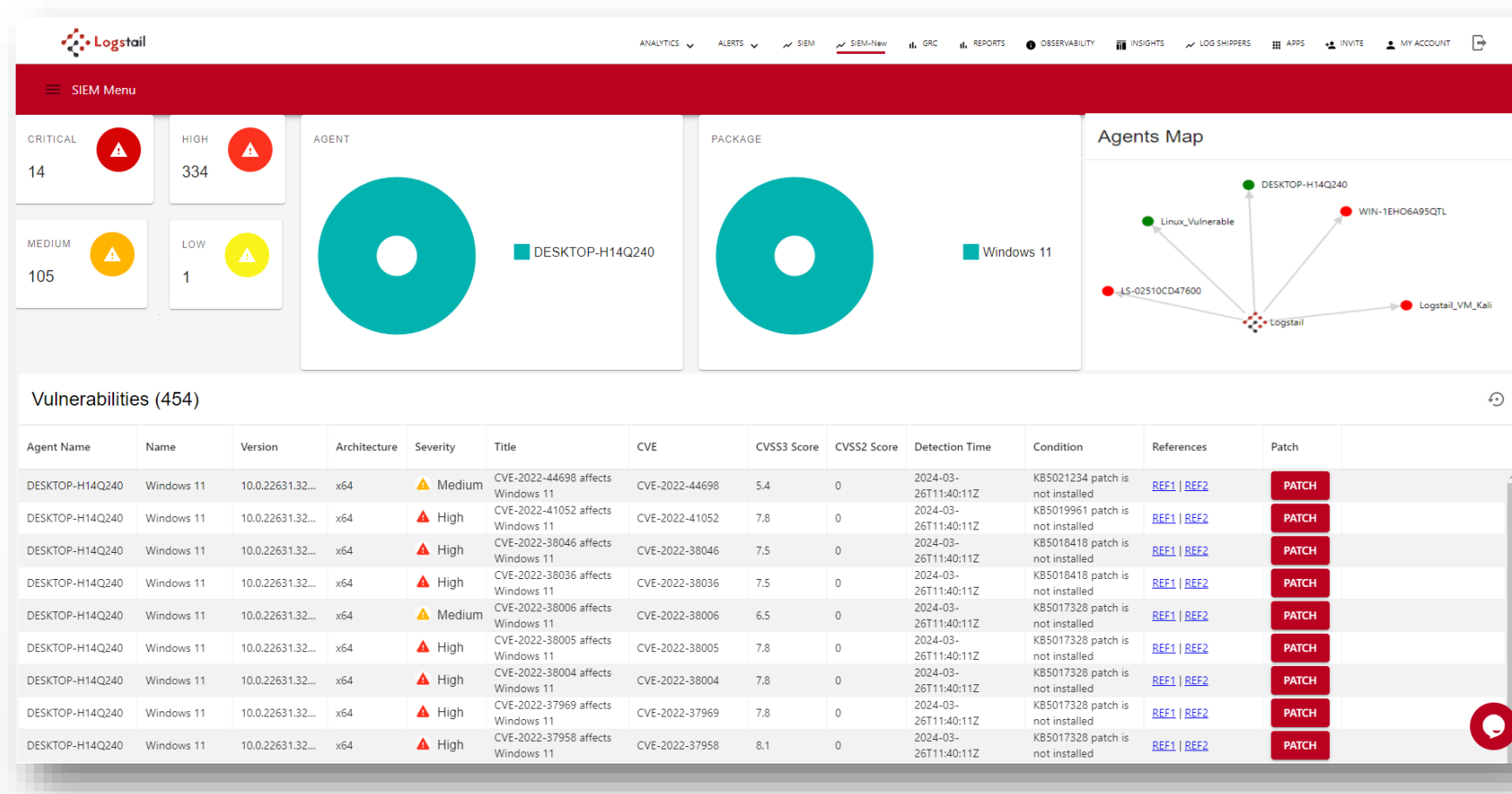


# Vulnerability Patching

## Patch Detected Software Vulnerabilities

### ➤ Capabilities & Skillset:

- Prevents Exploits
- Maintains Compliance
- Ensures System Stability



# Reporting

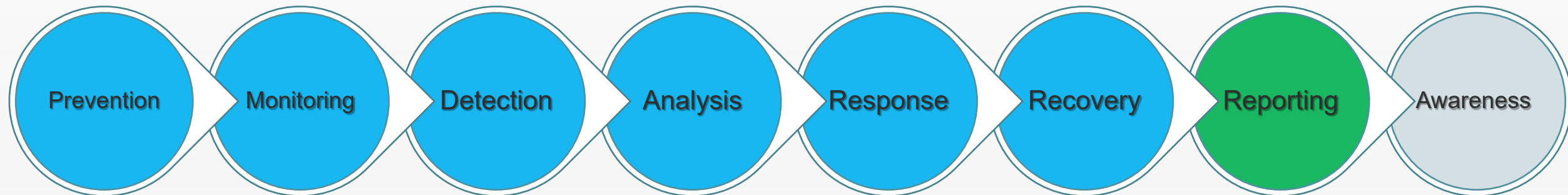
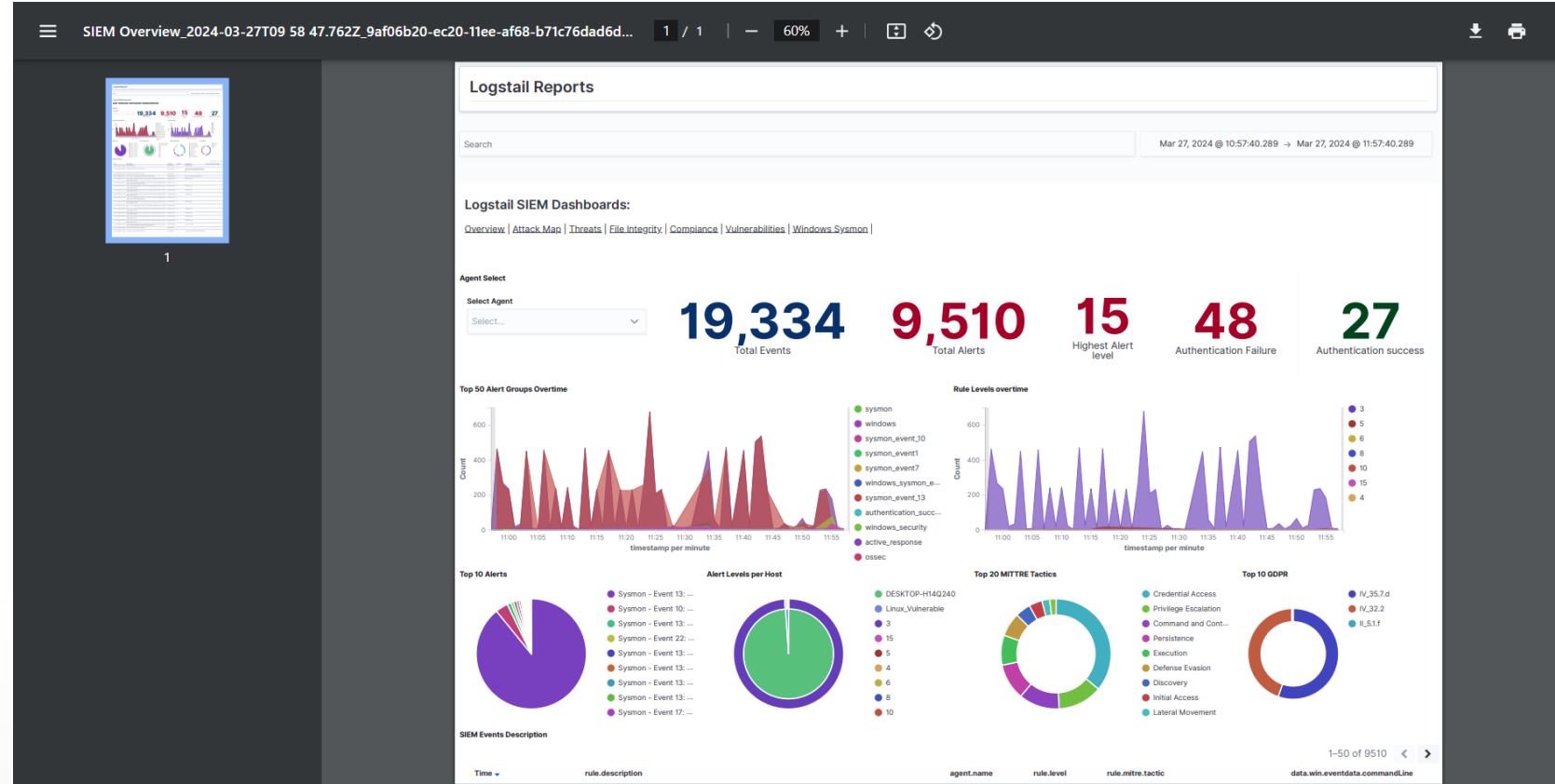
## Create Custom Reports

### ➤ Reporting Capabilities

- Create Custom Reports
- Schedule the Reports

### ➤ Capabilities & Skillset developed

- Data-driven insights for making strategic security decisions.
- Clear communication about security posture and incidents to stakeholders.
- Documentation and evidence are in place for compliance with security regulations.

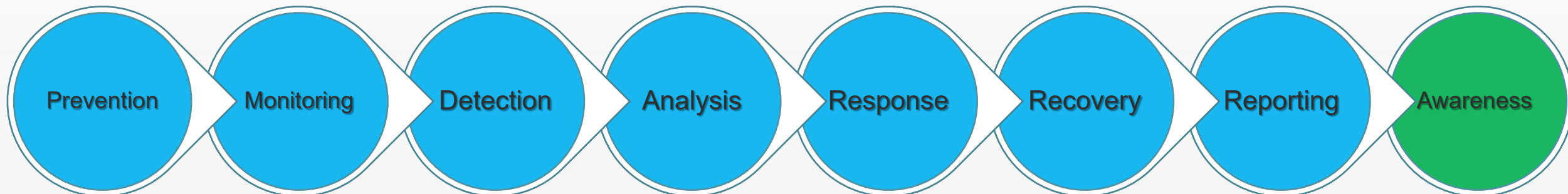


# Academy

Train your SOC Team

➤ **Skillset developed:**

- Courses and materials that cover a wide range of topics within log management, cybersecurity, and data analysis.
- Practical skills that are highly relevant to current industry needs and trends in IT security and data management.



# Thank you!



## Contact Us



HQ: Theofanous 12, Athens 11523



+30 216 0037838



[sales@logstail.com](mailto:sales@logstail.com)



<https://logstail.com>

