





## Introduction

Security operations present an escalating series of management challenges. As the frequency and variety of attacks accelerate, even the best teams can get overwhelmed.

Security orchestration, automation and response (SOAR) offers a solution. Eighty to ninety percent of most security operations' tasks can be automated to some extent, and the data that disparate tools create can be distilled into a single pane of information. The resulting efficiency gains allow security teams to handle vastly **more** tasks while significantly **decreasing** mean times to resolution (MTTR).

Sounds good in theory, but how does security operations teams use SOAR in the realworld?

- Phishing Attacks
- SIEM Triage
- Threat Hunting
- Insider Threat Detection
- Threat Intelligence
- Identify Verification/Enforcement
- Endpoint Protection
- Forensic Investigation

Read on to learn how SOAR can help *your* team stay ahead of the bad guys.









## Threat Hunting

In today's threat environment, it's no longer enough to be passively vigilant. True protection requires proactively identifying and hunting for threats.

### Problem

- 1 Slow, manual processes limit hunting frequency.
- 2 Collecting evidence requires manually drilling down into logs or packet captures.
- 3 Threat research validation requires accessing multiple 3rd party systems.



Integrating security technologies and taking advantage of a comprehensive and centralized view into all relevant threat data means that **analysts now have a clear picture of the complete landscape of an alert or incident without having to manually hunt** for this information. By automating time-consuming and repetitive tasks, analysts can spend more time hunting new threats and getting ahead of advisories.

Benefit

Continuous hunting using automated workflows to leverage a fully integrated security infrastructure empowers proactive protection by helping SecOps stay on top of threats and understanding all **integrated threat information.** 







## Threat Intelligence

Effectively leveraging comprehensive IOC data throughout your security infrastructure is inefficient and time-consuming without orchestration and automation.

#### Problem

1 Threat intelligence feeds are constantly evolving to accommodate new and updated indicators of compromise (IOCs). Ensuring accurate validation of security alarms requires continuously checking them against up-to-date IOCs to ensure that they are real—a time consuming and inefficient manual process.

2 In the amount of time it takes for an analyst to get the alert, check threat intelligence feeds, make a decision, and submit network change requests, the malicious actor will have plenty of time to gather information and perform any tasks necessary.



Solution

#### **Benefit**

SOAR solutions provide security teams with an efficient and nearly instantaneous way of ensuring their security infrastructure is **leveraging the most current threat intelligence data at all times.** By operating with an accurate and up-to-date understanding of IOCs, **analysts are able to respond faster to real threats,** drastically reducing MTTR and minimizing risk.



## Identity Verification/ Enforcement

The smooth and rapid verification of privileged credentials is critical to maintaining good security hygiene. Security operations is challenged to ensure easy access by legitimate users while also protecting against stolen or improper use of credentials.







## Endpoint Protection

Endpoint related alerts can quickly overwhelm a security operations team and prevent an effective alert response.

### Problem

**Benefit** 

(2)

ineffective.

1 Large organizations have hundreds or thousands of endpoints generating alarms tied to potential threats every day.

Manually executing high volume endpoint actions in an enterprise environment is time consuming and

3 Slow MTTR leads to broader threat proliferation and greater risk.





Swimlane can **automatically triage** endpoint-related alerts by enriching the data with external Threat Intelligence sources, internal sources like a CMDB, or querying an EDR tool for additional context, find other affected endpoints by querying the EDR tool, and **take appropriate remediation actions** like isolating an endpoint, killing processes, etc.

Using security automation and orchestration ensures that **all endpoint-related alerts are addressed.** Response and remediation actions can be taken in real-time, helping **prevent incidents from escalating into full-fledged security breaches.** 



## Forensic Investigation

SOAR platforms streamline investigations by automating forensic data collection from disparate tools and providing a centralized repository for all collected evidence. Integrated case management provides immediate, intuitive access to all forensic detail necessary to rapidly conduct an investigation.







### About Swimlane

Swimlane is at the forefront of the growing market of security automation, orchestration and response (SOAR) solutions and was founded to deliver scalable and flexible security solutions to organizations struggling with alert fatigue, vendor proliferation and chronic staffing shortages.

Swimlane's solution helps organizations address all security operations (SecOps) needs, including prioritizing alerts, orchestrating tools and automating the remediation of threats—improving performance across the entire organization.

To arrange a demo of Swimlane or to speak with one of our security architects to see if security orchestration, automation and response would be helpful to your organization, please contact us at 1.844.SWIMLANE or <u>www.swimlane.com</u>