PREEMPTIVE INCIDENT RESPONSE

SECDO'S UNIQUE PREEMPTIVE IR SOLUTION EMPOWERS CYBER SECURITY TEAMS TO SLASH INCIDENT RESPONSE TIME FROM MONTHS TO MINUTES, REMEDIATE ATTACKS SURGICALLY WITHOUT IMPACTING BUSINESS CONTINUITY AND APPLY THE LESSONS LEARNED TO AUGMENT CYBER DEFENSES.

THE CHALLENGES OF SOC AND IR TEAMS

- ***Overextended teams are forced to triage thousands of daily alerts***
  Real threats are overlooked, putting the enterprise at risk.
- ***The investigation process is complicated and time-consuming***
  Endpoint forensic evidence is hard to collect and requires a high level of expertise, resulting in long investigation times and incidents identified too late after massive damage has already occurred.
- ***Response is tedious and imprecise, and disrupts productivity***
  IR and IT teams use multiple tools to disconnect hosts from the network and reimage machines, interrupting business productivity.

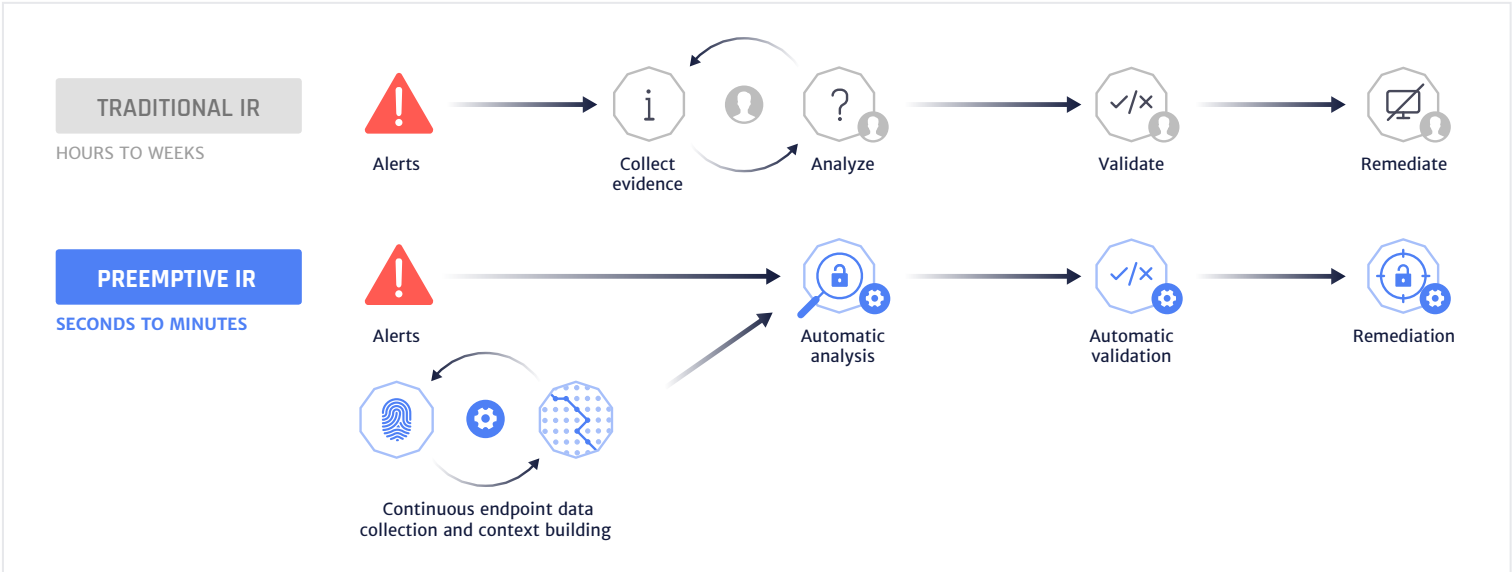
REPLACING TRADITIONAL IR WITH PREEMPTIVE IR

Secdo replaces the traditional after-the-incident response process and its tedious forensic data acquisition with preemptive continuous collection and analysis of all endpoint and server activity in anticipation of incidents. The Secdo solution comprises three components: Observer, Analyzer and Responder.

As alerts are triggered, they are automatically correlated with the historical host forensic data, instantly revealing the attack chain, root cause, entities involved, behaviors, affected hosts and damage assessment. Analysts can then process alerts in seconds with conclusive answers and immediately understand the "who, what, where, when and how" behind each alert. With the full scope of the incident known, remediation is also precise and rapid.

KEY FEATURES

- ***Incident Response time slashed***
  From alert to cleanup in minutes,minimizing the damage and disruption of a breach
- ***Zero-gap host visibility***
  Complete historical, thread-level visibility into every endpoint and server in the network
- ***Number of alerts processed multiplied***
  Automatic investigation allows SOC/IR teams to process many times more alerts with less expertise required
- ***Rapid, remote remediation without impact on business continuity***
  Precise response and remediation are accomplished without disrupting users
- ***Future attacks prevented***
  Root cause and the attack chain of every incident is revealed, so gaps in defenses can be closed



OBSERVER

Zero-Gap Visibility of all Host Activity

Observer continuously records all events and behaviors (including user, file, memory, process, thread, registry, network, USB, etc.) down to the thread level on every endpoint and server and stores them on a secure server where they are retained for years. Analysts can investigate any alert or hunt for threats effectively.

Visibility enables quick discovery of any relation between users, files, hosts, processes, etc.

Forensic Timeline visualizes the complete history of all events on all hosts

Host Insights provides pre-built queries to see information across the network

IOC Searches can be initiated based on IOC files

ANALYZER

Automatic Alert Investigation

Secdo's Causality Analysis EngineTM continuously and automatically analyzes billions of historical host events to identify the causality chain behind every threat. As alerts from SIEM and detection systems are triggered, they are automatically correlated with the historical host forensic data, instantly revealing the full context of the alert. Analysts get conclusive answers and immediately understand the "who, what, where, when and how" behind each alert.

Visual analysis of any alert including a visual timeline of the attack chain back to the root cause, entities involved, affected hosts, behaviors and damage assessment

Automatic SIEM alert investigation through a bi-directional integration with leading SIEMs, Secdo automatically and instantly investigates and validates every alert

RESPONDER

Rapid, Surgical Response & Remediation

Responder includes a granular set of effective response tools, enabling rapid, remote and precise containment and remediation of actual threats. Security analysts and IT can remotely view, retrieve, assess, isolate, contain and delete individual processes/threads on any host from a single pane of glass. Users can continue to work while investigation and remediation take place.

IceBlock™ freezes execution chains in memory. Users can continue to work safely while the malicious process is frozen

Live Remote Terminal allows analysts and IT personnel to run commands and code interactively (Python, PowerShell, etc.) on any host

Complex response scripts and scenarios can be built without having to install Python on the endpoint

Isolation quarantines infected hosts from the network while allowing secure, remote access and prompt remediation

Live Forensics enables analysts to collect memory dumps and perform memory forensics remotely

Automatable Response enables building of new rules and security policies for inclusion in Observer and Analyzer

SPECIFICATIONS

AGENT

Operating systems:
Windows, Linux

Resources:
Less than 0.1% CPU, 30MB RAM

Network:
<5MB of network traffic per day

Tamper-proof:
Kernel-level memory and file system self-protect

Deployment:
Silent

Visibility:
Thread-level

Data collection:
All activity from user, file, memory, process, thread, registry, network, USB

Communications:
SSL encrypted

SERVER

Operating system:
Linux

Scalability:
Unlimited (cluster-based)

Deployment:
On-prem or cloud

Records:
All data from all hosts stored securely for long periods