INTEGRATION DATASHEET

SpyCloud

ENTERPRISE PROTECTION FOR MICROSOFT SENTINEL

Microsoft Sentinel

ACCELERATE INCIDENT RESPONSE TIME TO SAFEGUARD EMPLOYEE IDENTITIES

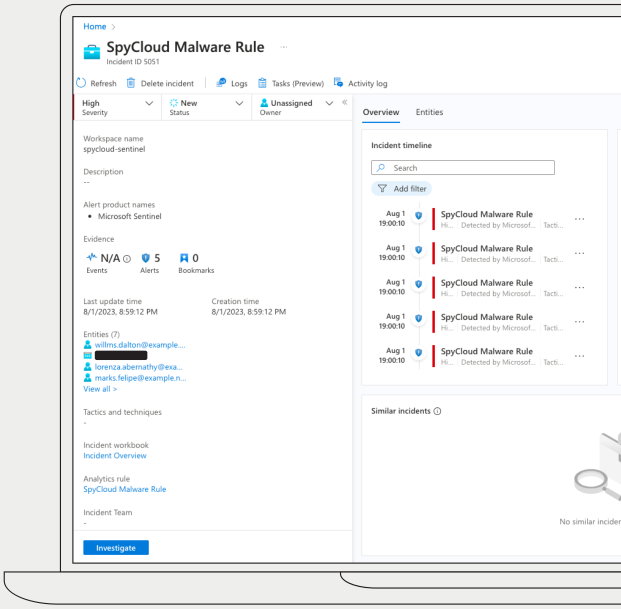
SpyCloud Enterprise Protection for Microsoft Sentinel helps security teams triage and remediate identity-related exposure incidents – shutting down threats to prevent targeted account takeover and cyberattacks. SpyCloud publishes exposed employee credentials from billions of recovered breach and malware records before they even hit the dark web – decreasing the exposure window and allowing for rapid action against compromised identities while disrupting cybercrime.

With SpyCloud Enterprise Protection for Microsoft Sentinel, breach and malware data from SpyCloud is ingested into Sentinel to create incidents and automate remediation. Security teams can take advantage of built-in incident response playbooks, or create their own automated steps for responding to breached credentials and malware exposures – calling SpyCloud's API directly to gather enriched data for specific incidents.

DECREASE MTTR WITH RECAPTURED DARKNET DATA, READY FOR ACTION

Automate and analyze recaptured darknet data into your workflows:

- Query SpyCloud's complete set of recaptured breach or malware records for enriched details
- Automatically create high-priority incidents for new breach or malware records, correlated with employee identities
- Perform comprehensive analysis at scale on normalized, recaptured data to investigate and identify trends
- Expand visibility of malware exposures into all possible business applications
- Streamline SOC workflows with SIEM/SOAR integrations to accelerate remediation of compromised credentials and malware-infected devices, users, and applications
- Reduce alert fatigue with high-fidelity alerts that prioritize investigations to remediate threats and shorten the attack window



SpyCloud Malware Rule
Incident ID 5051

High
Severity

New
Status

Unassigned
Owner

Workspace name
spycloud-sentinel

Description
--

Alert product names
- Microsoft Sentinel

Evidence
N/A Events
5 Alerts
0 Bookmarks

Last update time
8/1/2023, 8:59:12 PM

Creation time
8/1/2023, 8:59:12 PM

Entities (7)
willms.dalton@example....
[redacted]
lorenza.abernathy@exa...
marks.felipe@example.n...
View all >

Tactics and techniques
-

Incident workbook
Incident Overview

Analytics rule
SpyCloud Malware Rule

Incident Team
-

Incident timeline

Aug 1 19:00:10 SpyCloud Malware Rule
Hi... Detected by Microsof... Tacti...

Aug 1 19:00:10 SpyCloud Malware Rule
Hi... Detected by Microsof... Tacti...

Aug 1 19:00:10 SpyCloud Malware Rule
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Aug 1 19:00:10 SpyCloud Malware Rule
Hi... Detected by Microsof... Tacti...

Similar incidents

No similar inciden

HOW IT WORKS

Microsoft Sentinel performs a daily ingest of the freshest, high quality darknet data published from SpyCloud – curated breach and malware-exfiltrated data that is clean, normalized, and free of irrelevant information and duplicates. This includes the data source, description and plaintext passwords which is then saved into a custom table in Sentinel. Teams can use Sentinel's SIEM capabilities for full analysis or run the included response playbooks.

INCIDENT REMEDIATION

SpyCloud's Analytic Rules in Sentinel generate high priority incidents when certain criteria are met for new records.

- **BREACHES**: In the event of a breach where a plaintext password was exposed, SpyCloud creates and flags the event as a high priority incident in Sentinel. SpyCloud offers several automation steps available through a built-in playbook to streamline the incident response process for credentials exposed in data breaches.
- **MALWARE**: For infostealer malware exposures, SpyCloud removes all blindspots across users, applications, and devices that would normally hinder post-infection remediation. All records associated with a specific malware infection are combined into a single high priority incident, grouped for analysis. Additional malware records outside the primary enterprise watchlist can be brought in to gain visibility across all exposed applications and devices.

UNLOCK ADDITIONAL ACTION USING SPYCLOUD'S PLAYBOOKS

Additional ways to remediate:

BREACHED CREDENTIALS

- Check if the employee is still active or if the breached password length meets your requirements; if not, close the incident
- Check against your IAM tool to determine if the exposed password is in use on key applications
- Automate a password reset trigger if the password is in use

MALWARE INFECTIONS

- Decide the appropriate response based on whether the infection is related to a managed device or a personal/unmanaged device accessing work applications
- Ingest additional malware records for a specific incident to better understand the extent of the exposure

SpyCloud

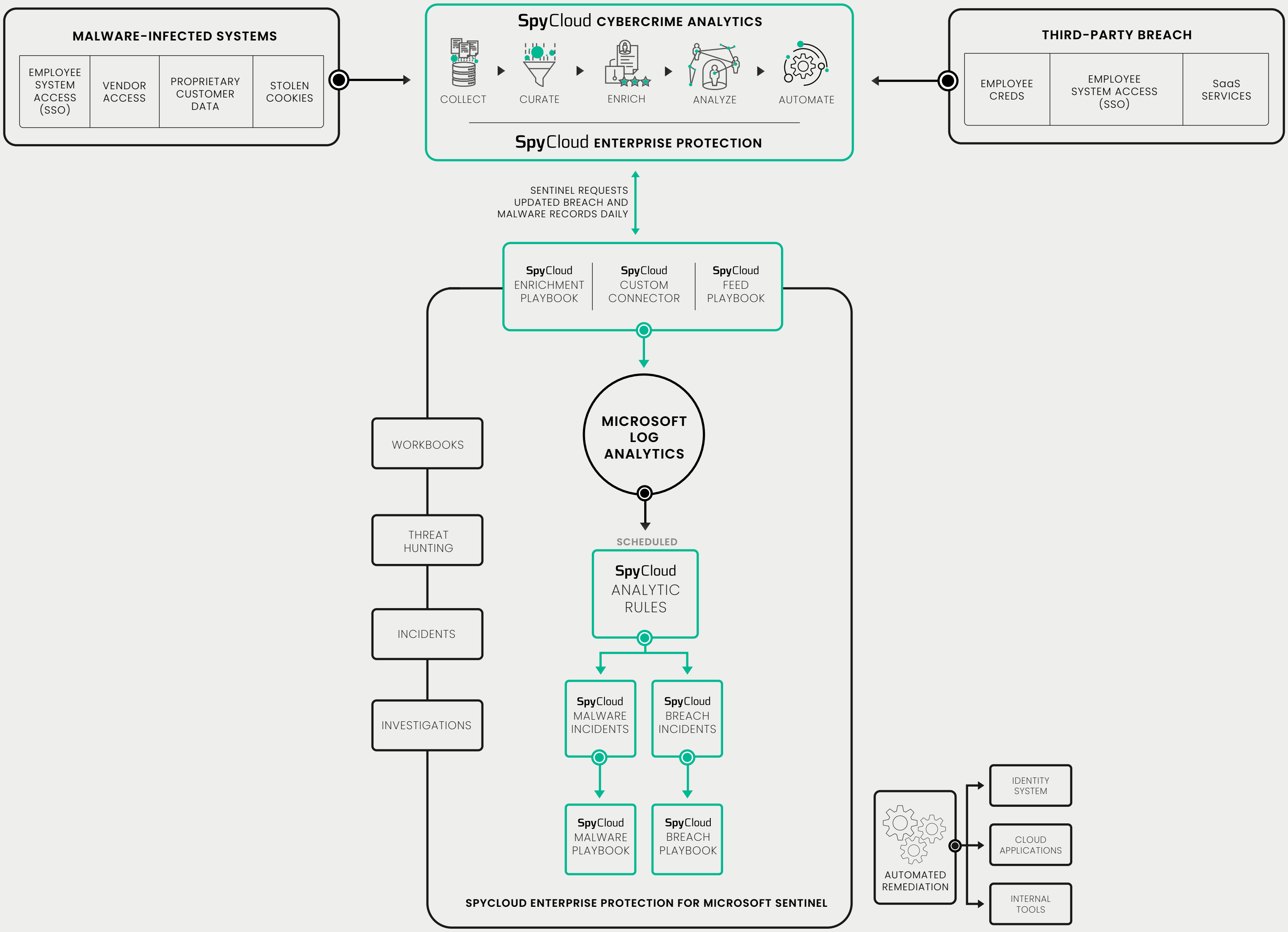
Microsoft Sentinel

DEEP DIVE INVESTIGATIONS

Enhance your incident response by querying SpyCloud's API to pull additional context to build out further automation. Search the entire SpyCloud database by domain, email, IP, username, or passwords to pull entire user records of recaptured darknet data. Or search for specific applications or subdomains to identify any exposed credentials to enrich your **Post-Infection Remediation.**

SPYCLOUD ENTERPRISE PROTECTION FOR MICROSOFT SENTINEL

Reference Diagram


MALWARE-INFECTED SYSTEMS
EMPLOYEE SYSTEM ACCESS (SSO)
VENDOR ACCESS
PROPRIETARY CUSTOMER DATA
STOLEN COOKIES
SpyCloud CYBERCRIME ANALYTICS
COLLECT
CURATE
ENRICH
ANALYZE
AUTOMATE
SpyCloud ENTERPRISE PROTECTION
THIRD-PARTY BREACH
EMPLOYEE CREDS
EMPLOYEE SYSTEM ACCESS (SSO)
SaaS SERVICES
SENTINEL REQUESTS UPDATED BREACH AND MALWARE RECORDS DAILY
SpyCloud ENRICHMENT PLAYBOOK
SpyCloud CUSTOM CONNECTOR
SpyCloud FEED PLAYBOOK
MICROSOFT LOG ANALYTICS
WORKBOOKS
THREAT HUNTING
INCIDENTS
INVESTIGATIONS
SCHEDULED
SpyCloud ANALYTIC RULES
SpyCloud MALWARE INCIDENTS
SpyCloud BREACH INCIDENTS
SpyCloud MALWARE PLAYBOOK
SpyCloud BREACH PLAYBOOK
SPYCLOUD ENTERPRISE PROTECTION FOR MICROSOFT SENTINEL
AUTOMATED REMEDIATION
IDENTITY SYSTEM
CLOUD APPLICATIONS
INTERNAL TOOLS

Streamline SOC workflows using SpyCloud's complete integration with Microsoft Sentinel for rapid response, incident analysis, threat hunting, and automation.

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TECHNICAL REQUIREMENTS

- **SpyCloud Enterprise Protection for Microsoft Sentinel** requires a Microsoft Power Apps or Power Automate plan with custom connector feature, along with an active Azure subscription.

- Analyzing SpyCloud breach or malware data requires a license for SpyCloud Employee ATO Prevention, and an additional SpyCloud Compass license is required to ingest malware records for applications outside the primary enterprise watchlist.

ABOUT SPYCLOUD

SpyCloud transforms recaptured darknet data to protect businesses from cyberattacks. Its products operationalize Cybercrime Analytics (C2A) to produce actionable insights that allow enterprises to proactively prevent ransomware and account takeover, safeguard employee and consumer identities, and investigate cybercrime incidents. Its unique data from breaches, malware-infected devices, and other underground sources also powers many popular dark web monitoring and identity theft protection offerings. SpyCloud customers include half of the ten largest global enterprises, mid-size companies, and government agencies around the world. Headquartered in Austin, TX, SpyCloud is home to nearly 200 cybersecurity experts whose mission is to make the internet safer with automated solutions that help organizations combat cybercrime.

To learn more and see insights on your company’s exposed data, visit spycloud.com.