

USE CASE

# Using Log360 to detect malware



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Malware attacks continue to plague enterprises year after year. According to a [study by Statista](#), the total number of new malware detections worldwide amounted to 677.66 million programs as of March 2020.

Combating malware begins with detecting it. Malware such as ransomware and adware immediately encrypts your system files and streams ads. Others like Trojans and spyware are notoriously undetectable. Viruses and worms might operate stealthily until they result in deleted files, sudden shut downs, high disk usage, and even hardware faults.

Given that malware attacks rapidly evolve, how can you ensure the malware detection system in your network is effectively combating this dynamic threat?

### How malware works?



**1. Malware is delivered to your system via:**

- Spam emails
- Vulnerabilities
- Malicious links
- Network propagation

**2. It is installed on your system with or without action from the user**

**3. Possible consequences:**

- Encrypts the system
- Steals or manipulates data
- Establishes backdoors
- Steals credentials, bank passwords, and more

While deploying an anti-malware solution is highly effective, it may not be enough, as it wouldn't give you a holistic security view of your network. Further, anti-malware may not take into account factors like account compromise, which can sometimes precede a legitimate software installation that's actually malicious.

This is why you need a security information and event management (SIEM) solution that can correlate events. Building a strong event log correlation and analysis system helps you take proactive steps against malware attacks.

## How Log360 can detect malware

Log360, a comprehensive yet easy-to-use SIEM solution, can help you detect and stop malware attacks.

### Rule-based correlation engine to detect malware

Log360, a comprehensive yet simple to use SIEM solution, comes with a powerful correlation engine that lets you set rules to identify suspicious patterns in your incoming network logs. With a slew of built-in rules, Log360 correlates various events, and alerts you about suspicious software installations, suspicious service installations, and more.

### Behavioral-analytics to detect malware

Log360 takes various factors into consideration before flagging a software installation as malicious. This is possible with behavior analytics performed by the Log360 UEBA add-on, which detects anomalies based on time, count, and pattern. This effectively eliminates false alarms, which is a major challenge in threat detection.

### Incident investigation with Log360

Log360 doesn't stop with just malware detection; it also helps in effective investigation and mitigation. Once flagged, you can easily investigate the incident with Log360's correlation reports. The detailed incident timeline and security analytics reports present you with log information that serves as evidence for the security incident.

Log360's end-to-end incident management system comes with a built-in ticketing module that helps assign tickets to security admins, track their status, and ensure accountability in the incident resolution process. This system also has an automatic remediation framework that can associate workflow profiles with correlation rules. These workflow profiles can be executed automatically when the correlation alert is triggered to instantly remediate the incident.

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ManageEngine Log360, a comprehensive SIEM solution, helps enterprises thwart attacks, monitor security events, and comply with regulatory mandates.

The solution bundles a log management component, for better visibility into network activity, with an incident management module that helps quickly detect, analyze, prioritize, and resolve security incidents. Log360 features an innovative ML-driven user and entity behavior analytics add-on that baselines normal user behaviors and detects anomalous user activities. Its threat intelligence platform brings in dynamic threat feeds for security monitoring. Log360 helps organizations prevent and combat internal and external security attacks with effective log management and in-depth AD auditing.

For more information about Log360, visit [manageengine.com](https://manageengine.com).

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