ManageEngine
Log360

USE CASE

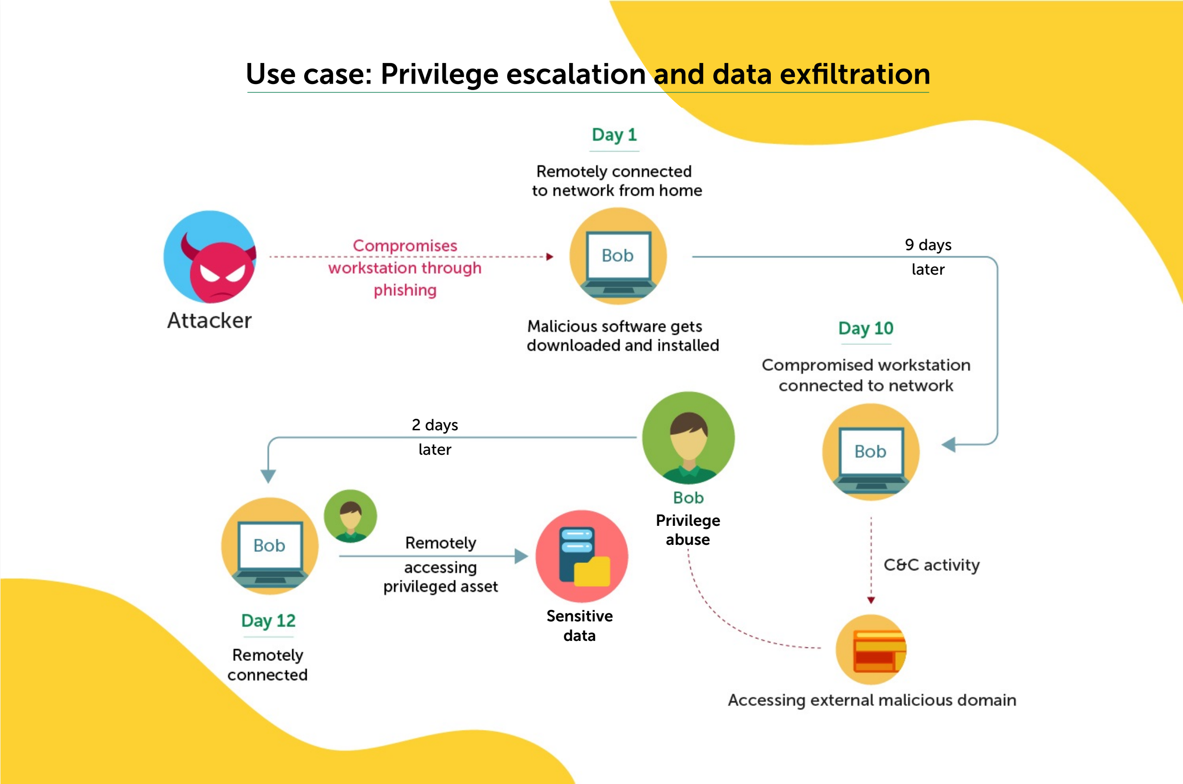
Using Log360 to spot privilege escalations

Using Log360 to spot privilege escalations

Privilege escalation attacks are aimed at gaining access to your network's most sensitive resources. Attackers exploit vulnerabilities such as bugs, application configuration errors, and unpatched operating systems to compromise a user account and elevate the user account's privileges. They may do this several times, until they have enough privileges to carry out an attack, steal confidential data, deploy malware, create back doors, or carry out whatever other objective they have.

Detecting an attempted or even a successful privilege escalation gives you a better chance at preventing intruders from gaining the power they need to carry out their main attack. So how do you ensure your organization can successfully spot privilege escalations?

How Log360 helps


Use case: Privilege escalation and data exfiltration
Attacker
Compromises workstation through phishing
Day 1
Remotely connected to network from home
Bob
Malicious software gets downloaded and installed
9 days later
Day 10
Compromised workstation connected to network
Bob
C&C activity
Accessing external malicious domain
Bob
Privilege abuse
2 days later
Bob
Day 12
Remotely connected
Remotely accessing privileged asset
Sensitive data

ManageEngine Log360, a simple to use SIEM solution, has a multifaceted approach to spotting privilege escalations. With capabilities such as extensive auditing, reporting and alerting, threat intelligence, correlation and behavior analytics, here's how you can leverage Log360 to detect and prevent privilege escalations.

Monitor user account changes in real time:

To spot privilege escalations successfully, you need to ensure you have visibility on user actions in your network. Log360 provides multiple security dashboards to track user activity in real time. With complete user audit trails and an alerting console, you'll can be notified of anything from user logons and logoffs to user group and account changes.

Detect and remediate suspicious installations:

Log360 has a robust, rule-based correlation engine that can spot patterns in your incoming log data. With a slew of built-in rules and a custom rule builder, you can detect suspicious software installations, services, malware, and more in your workstation devices.

Spot malicious command and control (C&C) server activity in real time:

Log360's built-in, self-updating STIX/TAXII feeds processor ensures you have ample threat intelligence to detect intruders in your network. Log360 then correlates threat feeds with network log data and notifies you of access attempts from malicious domains, URLs, and IP addresses, which can occur during privilege escalation attacks.

Detect privilege escalation attacks with behavioral analytics:

Attackers ensure that they remain inconspicuous when carrying out privilege escalation attacks, making it difficult to detect them. Log360's User Entity Behavior Analytics (UEBA) add on identifies any actions unusual to a specific user, such as remote logons during odd hours and access to multiple sensitive files. Log360 then proceeds to increase the user's risk score and notifies the security admin in real time.

Automate workflows to reduce response time:

Log360's automated incident response system has workflows to perform specific actions such as killing a process, blocking a USB, and more as soon as correlation alerts are triggered. This is one of the quickest ways to stop malicious activities such as illicit software installations, as and when they happen in your network. You can carry out further investigation with detailed, out-of-the-box correlation reports.

Equip your organization with Log360 to spot and prevent privilege escalations.

Gartner's Peer Insights Voice of the Customer 2023 is out!

ManageEngine named a Customers' Choice for SIEM

Check out why

Latest Gartner Magic Quadrant for SIEM is out!

ManageEngine recognized in Gartner's Magic Quadrant for Security Information and Event Management, 2020.

Get the report

Log360 is a unified SIEM solution with integrated DLP and CASB capabilities that detects, prioritizes, investigates and responds to security threats. Vigil IQ, the solution's TDIR module, combines threat intelligence, ML-based anomaly detection and rule-based attack detection techniques to detect sophisticated attacks, and it offers an incident management console for effectively remediating detected threats.

Log360 provides holistic security visibility across on-premises,cloud and hybrid networks with its intuitive and advanced security analytics and monitoring capabilities.

For more information about Log360, visit manageengine.com/log-management/ and follow the LinkedIn page for regular updates.

ManageEngine Log360

$ Get Quote

⤓ Download