

USE CASE

Identifying and protecting patient health information with Log360



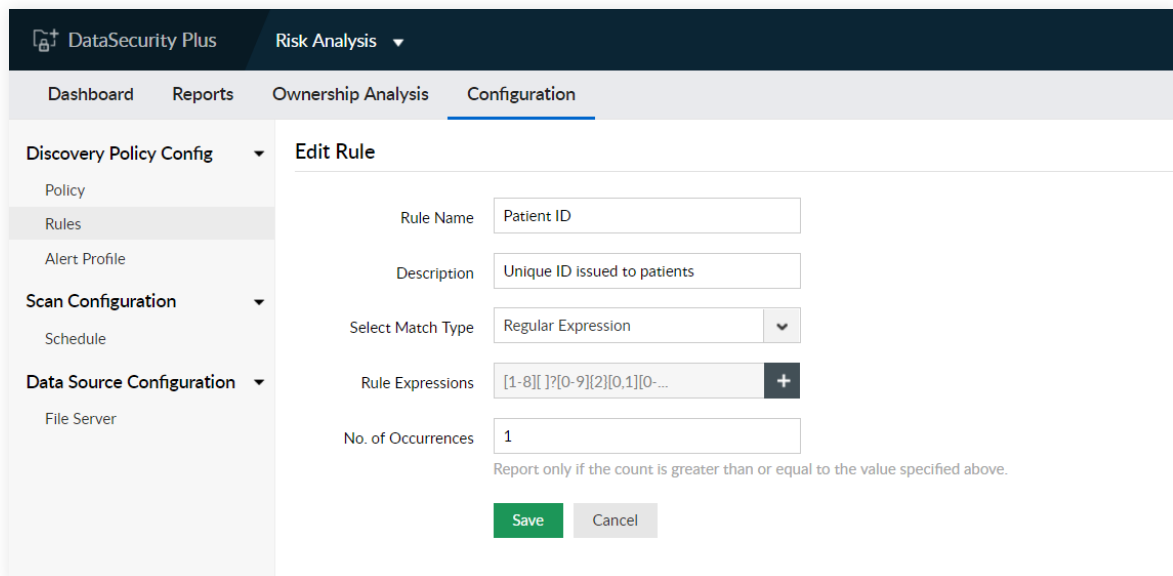
Identifying and protecting patient health information with Log360

Identifying and protecting sensitive patient information is perhaps the most critical task for a security admin in the healthcare sector. A data breach for a health care provider would be devastating for the patients due to the highly sensitive and private nature of the data involved.

With the increased adoption of telemedicine, the digital collection and processing of such highly sensitive medical information is only bound to increase. For hackers looking to steal sensitive healthcare data, the attack surface only widens in scope. How do you identify and protect this data while ensuring that it is readily available for everyday operations?

How Log360 can help

Using Log360 to identify sensitive patient information



The screenshot displays the Log360 DataSecurity Plus interface. The top navigation bar includes 'DataSecurity Plus' and 'Risk Analysis'. Below this, a secondary navigation bar shows 'Dashboard', 'Reports', 'Ownership Analysis', and 'Configuration'. The left sidebar contains a menu with 'Discovery Policy Config' (Policy, Rules, Alert Profile), 'Scan Configuration' (Schedule), and 'Data Source Configuration' (File Server). The main content area is titled 'Edit Rule' and contains the following fields:

- Rule Name: Patient ID
- Description: Unique ID issued to patients
- Select Match Type: Regular Expression
- Rule Expressions: [1-8][]?[0-9][2][0,1][0-... (with a plus sign to add more)
- No. of Occurrences: 1

Below the 'No. of Occurrences' field, a note states: 'Report only if the count is greater than or equal to the value specified above.' At the bottom of the form are 'Save' and 'Cancel' buttons.

Log360 has a range of predefined rules to discover sensitive data like patient information, which can be customized based on your requirements. The rules include PII such as age, address, payment information, and so on. In case the PII you want to scan for is not predefined, all you have to do is to set the parameters, and create your own rule, and Log360 will start looking for the information right away.

Preempting attacks using machine learning

Log360's machine learning (ML) algorithms can also help you preempt attack scenarios like data theft by constantly analyzing the behavior of all users and entities in a network. Any deviation from the baseline in terms of time, pattern, or count will be registered as an anomaly, and a risk score will be added.

Users with a high risk score will be added to a watch list and their actions will be closely monitored by the system. This insight can give you the edge you need to stay a step ahead of potential threats inside and outside your perimeter. This is how Log360 can help you in both the identification and protection of sensitive patient information.

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

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

For more information about Log360, visit manageengine.com.

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