

SOLUTION BRIEF

LAB INTEGRA ANALYTICS(LIA)

PURPOSE

Organizations can become more proactive in their response methods and efficiently address recurring problems due to data high availability. Lab Integra Analytics (LIA) is a cybersecurity product developed by DataWENS. LIA provides meaningful security context to the audit logs gathered from Thales Luna Hardware Security Module (HSM) to identify security events quickly and accurately.

BUSINESS CHALLENGES

Lab Integra Analytics (LIA) is an effective solution for the problems that arise due to the lack of availability of HSM logs on the cloud to analyze the audit logs, visualize the data with a dashboard, orchestrate with external systems, mitigate the risks, and so on.

Problem: Less possibility of predicting errors and requires manual intervention.

Use case: There is a recurring malicious event that cannot be identified and prevented unless the user accesses the Luna HSM and reviews the audit logs manually.

Solution: The LIA algorithm identifies occurrences and automatically alerts them in the user's dashboard. It also notifies or mitigates risks based on the rules defined. Additionally, LIA offers APIs for integrating events with external incidents or ticketing systems for immediate resolution.

OVERVIEW OF LIA

Lab Integra Analytics is a comprehensive analytics engine that includes a log parser, a visualization engine, and a rules engine. The main goal of the log parser is to concisely locate and extract the full picture of what's happening within the secure confines of the Luna HSM and load them into our cloud. It is designed to quickly recognize the extracted logs that exist in unstructured form and interpret the information into manageable pieces for easier understanding. To make data more comprehensible, the visualization engine brings data to life through live data dashboards, interactive reports, charts, graphs, and other visual representations. An expert-system rules engine runs the rules on the logs and if any condition matches then it executes the corresponding actions. Through streamlined APIs, LIA guarantees constant and seamless connectivity to any downstream applications.

LIA's Daemon process which runs tirelessly on the customer's private network or LIA's cloud, retrieves the Luna HSM audit logs and copies them into our file server. LIA utilizes robust data management strategies to extract valuable insights from this inaccessible data, ensuring compliance with legal and regulatory requirements, and offering high availability and disaster recovery capabilities.

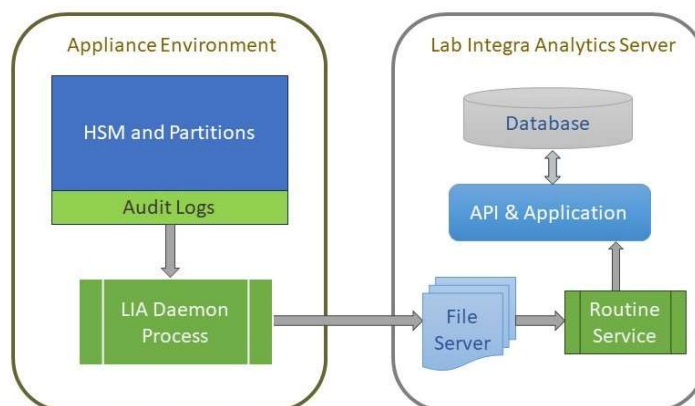
KEY FEATURES

Although our application is feature-rich, we've highlighted few points below.

- Real-time analyzer for time series Luna HSM audit logs.

- Providing a 360-degree view of the data in the form of a Dashboard, Graphical representation, and various reports.
- Act against the specific critical events based on the rules defined.
- Public interfaces expose the data to be shared outside.
- Powerful keyword detection and grouping algorithm.
- Mobilize Heterogeneous data at a good pace.

BLOCK DIAGRAM



Functional Flow Block Diagram Of LIA

About DataWENS

DataWENS is an emerging global leader in software application development. With regards to our extensive knowledge, our company's primary focus is on the global portfolio of cybersecurity, the Internet of Things (IoT), and healthcare. Consequently, we serve clients across various regions, including Europe, the USA, Canada, the Middle East, Southeast Asia, and India.

Lab Integra Analytics is a cybersecurity product of DataWENS. The solution effectively works on the audit logs of HSM and creates a niche e-layer that emanates the internal unknown activities vividly without disturbing the main HSM. Being recognized as an expert in the vertical of innovation, LIA presents the information in a modern dashboard with charts and reports for better visualization and understanding.

About Luna HSM

Protect your organization's devices, identities and transactions, and build trust in the overall ecosystem with Thales Luna HSMs – the foundation of digital trust for over 25 years. Don't compromise on agility, usability or scalability with Luna HSMs, purposefully designed to provide a balance of security and high performance for both traditional and emerging technologies.