

SaaS Event Maturity Matrix (EMM)

Gain clarity & enhance SaaS security with insights into SaaS logs

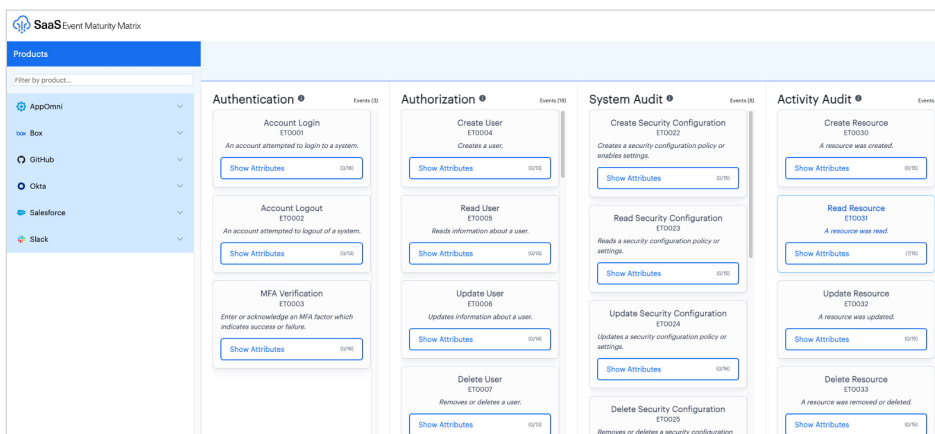
SaaS Monitoring Challenges

Software as a Service (SaaS) is now the backbone of business operations, offering unparalleled flexibility, scalability, and integration. But this growth has made SaaS platforms more vulnerable to data breaches and suspicious activities, and it's now crucial that security teams can monitor these platforms continuously for potential security issues.

Despite the clear need for SaaS monitoring, there is a lack of consistency in SaaS events and audit logs, which makes it difficult to monitor for cyber threats. Log formats vary from one application to another and are inconsistent across data structure, context, and metadata. This lack of unity and consistency complicates security because it leaves gaps in threat detection and requires that teams waste valuable time evaluating applications.

Event Maturity Matrix (EMM)

The Event Maturity Matrix (EMM) is an open-source framework, developed by AppOmni, that highlights visibility gaps and boosts the efficiency of cybersecurity teams. The EMM helps you evaluate and refine the audit logging functions of your SaaS platforms so that you can enhance threat detection and response actions in your organization.



AUDIT LOG CHALLENGES

- SaaS apps have different methods for authentication, data retrieval, and other activities
- SaaS logs lack standard schema and use different parameters
- Normalizing and searching SaaS logs is time-intensive

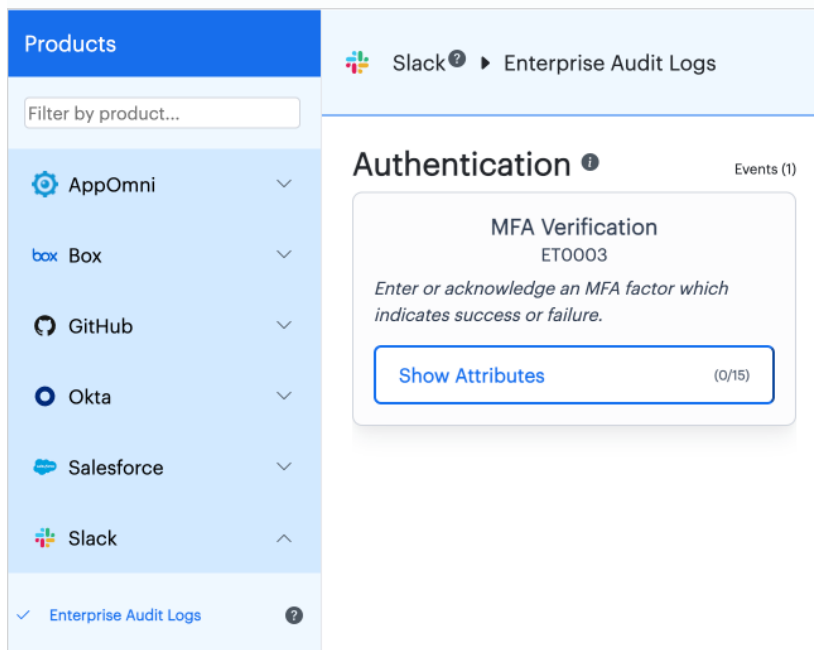
EVENT MATURITY MATRIX BENEFITS

- **Unify documentation:** Centralize necessary documentation for better accessibility and understanding
- **Identify gaps:** Clearly map audit log sources to facilitate log detection and analysis
- **Improve investigations:** Understand what data is provided in logs to engineer detections and plan for

Using the Event Maturity Matrix

Conduct vendor assessments

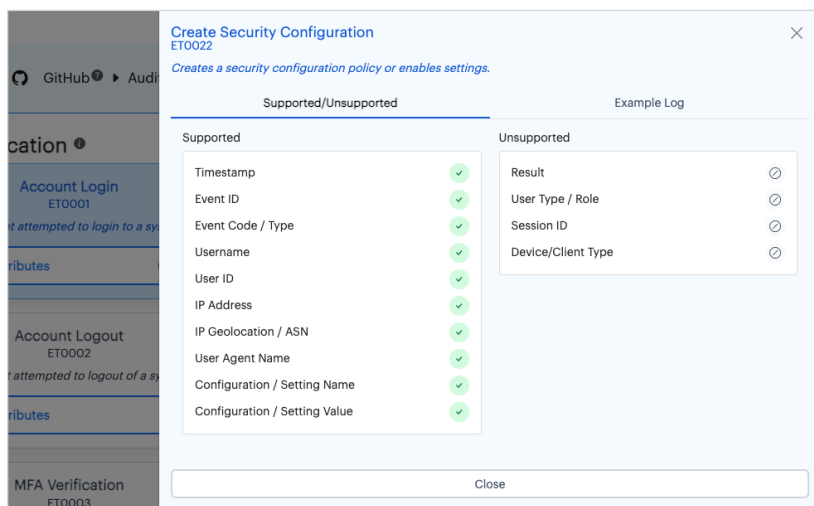
- Determine what log data is provided from a SaaS application
- Verify data that is needed for continuous monitoring and SaaS visibility



Slack does not have logs to identify MFA

IR and detection research


- Quickly determine audited actions and field that are available during a SaaS incident
- Find example events for building threat detection rules




Github list of unsupported fields for "Create Security Configuration"

➤ Check out the matrix on [GitHub](#) or the [EMM website](#).

What users are saying:

 This will provide our security team continuous monitoring of security events for all new SaaS and I'm also going to leverage this approach to get visibility into our top 50, then top 100 apps.

— Fortune 100 SOC director

 [We've] included EMM in our vendor due diligence process to provide our security team with actual value from the effort beyond the initial point in time assessment... I send it to new vendors as a requirement to fill out in order to be approved and to existing vendors during their annual security reviews.

— Security architect at a top three telecommunications vendor