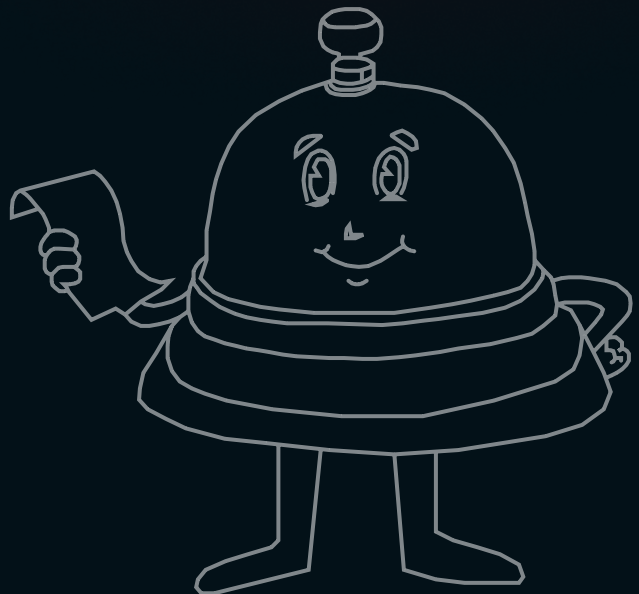




KLEAP

CYBERSECURITY

SOC 2 Compliance for Web-Based WMS Platform



Client Overview

A supply chain and logistics consulting company based in India with 80–100 employees. The organization launched a web-based Warehouse Management System (WMS) to streamline supply chain operations, enabling businesses to manage inventory, track shipments, and optimize warehouse workflows through a centralized platform.

Objective

To achieve SOC 2 certification for the WMS platform while addressing key security risks in real-time monitoring, incident response, and system updates. The client also required Web Application Vulnerability Assessment and Penetration Testing (Web VAPT) to ensure the integrity and security of sensitive supply chain data.

KLEAP's Approach

Conducted a comprehensive security and compliance assessment of the F.A.S.T. aiCockpit platform. Evaluated cloud deployment architecture, ensuring secure multi-tenant isolation and adherence to healthcare IT regulations.

Conducted a compliance gap analysis aligned with SOC 2 requirements. Implemented multi-factor authentication (MFA) and formalized security policies for WMS operations.

Deployed a SIEM solution to automate breach detection and enhance incident response.

Performed Web VAPT to identify vulnerabilities such as SQL injection, XSS, insecure APIs, and authentication flaws.

Delivered a SOC 2 Final Report covering security, availability, and confidentiality controls, customized for the WMS platform.

Compliance Gaps Addressed

Gap 1

Inadequate communication policy for information classification



Resolved by formalizing and communicating classification procedures.

Gap 2

Manual breach identification without SIEM



Resolved by implementing automated monitoring and incident response.

Gap 3

Absence of Web VAPT



Resolved by conducting structured penetration testing and remediating critical vulnerabilities.

Timeline

3 months to SOC 2 Type 2 certification readiness

Web VAPT completed in 6 weeks to align with compliance milestones

Outcome



Compliance Achieved: Successfully obtained SOC 2 certification.



Web Security Strengthened: Closed 100% of Web VAPT findings before certification audit.



Long-Term Impact: Strengthened customer trust and credibility by ensuring continuous compliance and secure handling of sensitive supply chain data.

KPIs



100% compliance with SOC 2 standards.



Reduced security incidents by **40%**.



Achieved certification within **6 months**.



Improved breach detection and response time by **60%**.

Client Testimonial

"Thank you for getting the certificate in time and ensuring our WMS platform is secure and compliant."



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