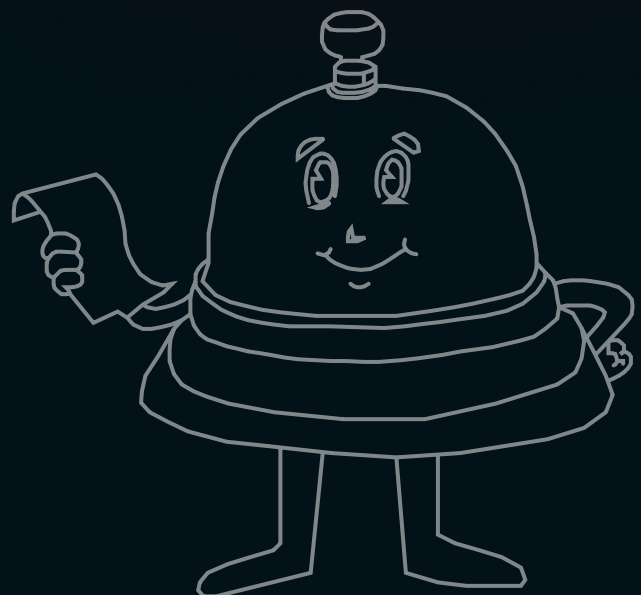




KLEAP

CYBERSECURITY

Active Directory Security Assessment for Global Manufacturing Leader



Client Overview

ABC is a global manufacturer of high-performance engineered materials used in everyday consumer products and advanced industrial applications. With a diverse portfolio of advanced polymers, fibers, and chemical intermediates, ABC delivers strength, heat resistance, and reliability across sectors such as automotive, electronics, consumer goods, industrial equipment, and emerging technologies. The company emphasizes research, operational excellence, and sustainability to support both legacy manufacturing and next-generation technology.

Objective

To safeguard ABC's global IT infrastructure by conducting a comprehensive Active Directory Vulnerability Assessment and Penetration Testing (AD VAPT). The goal was to identify and remediate potential weaknesses in identity management, access control, and enterprise resource protection, ensuring resilience against cyber threats and continuity of operations.

KLEAP's Approach

Performed a detailed AD VAPT across ABC's enterprise environment, covering user accounts, group policies, and privileged access. Assessed authentication mechanisms, password policies, and Kerberos configurations to detect misconfigurations and exploitable gaps.

Evaluated access control lists (ACLs), trust relationships, and replication settings to uncover privilege escalation risks.

Conducted penetration testing simulations to validate potential attack paths and lateral movement scenarios.

Mapped findings against global cybersecurity frameworks & industry best practices to ensure compliance readiness.

Delivered actionable remediation guidance tailored to ABC's operational and manufacturing context.

Outcome



Identified and remediated critical AD vulnerabilities, reducing risks of unauthorized access and privilege escalation. Strengthened identity and access management controls, ensuring secure handling of intellectual property and sensitive data.



Enhanced operational continuity by mitigating risks that could disrupt manufacturing and global IT operations.



Established a robust cybersecurity posture, positioning ABC as a secure, technology-driven manufacturer aligned with global standards.



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