

The background of the slide features a dark, high-contrast image. On the left, a computer monitor is visible, displaying a grid-like pattern of light and dark squares. In the foreground on the right, a large, metallic padlock is attached to a thick, dark chain. The chain is coiled and draped across the lower right portion of the image. The overall aesthetic is technical and secure.

CUSTOMER SUCCESS STORY

Securing Valuable Data Assets By
Performing High-level Vulnerability
Assessment And Penetration Testing



ABOUT THE CUSTOMER

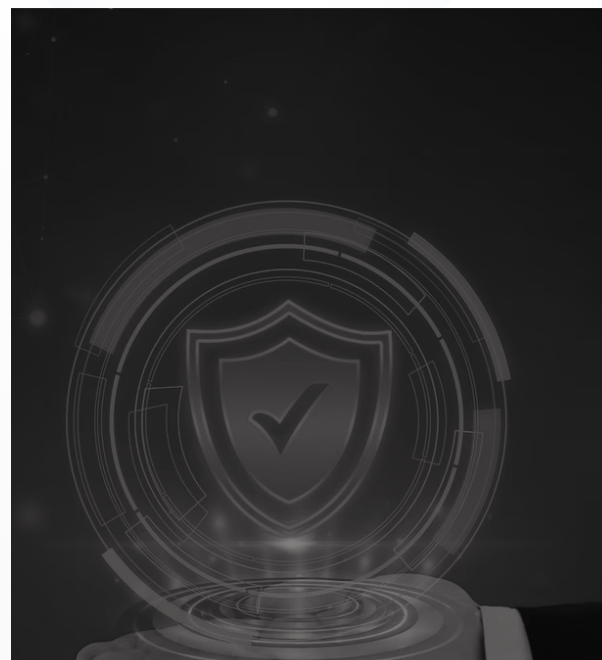
The healthcare giant collects and preserves Personally Identifiable Information (PII) and patient health records in their environment.

THE CHALLENGE

The digital revolution has completely changed the healthcare industry. From maintaining patient health records to prescribing medicines, a significant number of healthcare operations are happening online today.

In this case, the client approached SISA to secure their infrastructure and stored customer data from illegal adversary intrusion.

After receiving the audit request from the company, SISA's Team of highly professional VAPT experts analysed the client environment and found a few exploitable vulnerabilities in the assessed scope.



SOLUTION OFFERED BY SISA

The process started with explaining the client, various Vulnerability Assessment and Penetration Testing (VAPT) stages, and its importance in securing companies against threat actors. SISA's VAPT Team started understanding the infrastructure and the organization's scope where business-critical data is stored. The Team then started conducting a detailed Vulnerability Assessment followed by a thorough QA process to uncover all the vulnerabilities as per the SISA's VAPT Team started understanding OSI Model layers.

The team identified a few exploitable vulnerabilities including HTTP request smuggling attacks, Apache Tomcat Denial of Service attacks, and outdated version of Oracle Java. After identifying the gaps in the infrastructure, SISA started prioritizing the gaps and vulnerabilities. The process then followed by an elaborated Penetration Testing to find the severity of exploitable vulnerabilities and intrusion methods that a threat actor can assume.

Then, SISA's Team took the company's IT Team through a walkthrough of gaps identified during the process and provided detailed remediation steps. The gaps include exposed database instance, crosssite request forgery, and remote code execution. The client started remediating the vulnerabilities according to priority, and SISA supported the company throughout the process.

BETTER SECURITY VISIBILITY WITH SISA'S VAPT

The Vulnerability Assessment's that we perform are purely authenticated scans, cross checked by a QA process for the completed activity, which helps us to uncover every minute gap.

We also help our clients throughout the remediation process with SISA Assistant web Application. SISA Assistant helps to Remediate, Track, Access Detailed Solutions for remediation of the identified vulnerabilities and access reports on various different formats.

SISA's systematic and structured Penetration Testing is based on the industry-proven approaches. The process we follow is aligned with the authorized sources that help in comprehensive end-to-end testing. Our forensic driven knowledge helps us understand organizational security posture and provide robust mitigation solutions. Our Methodology for Penetration Testing is derived from a combination of Infrastructure testing, such as the Open Source Security Testing Methodology Manual (OSSTM) and Penetration testing in SP800-115] and the Open Web Application Security Project (OWASP).

SISA is a global forensics-driven cybersecurity solutions company, trusted by leading organizations for securing their businesses with robust preventive, detective, and corrective cybersecurity solutions. Our problem-first, human-centric approach helps businesses strengthen their cybersecurity posture. Industry recognition by CREST, CERT-In and PCI SSC serves as a testament to our skill, knowledge, and competence.

We apply the power of forensic intelligence and advanced technology to offer true security to 2,000+ customers in 40+ countries.

