Propelex

HELPING CLIENTS VALIDATE COMPLEX SECURITY ENVIRONMENTS

Security is a necessity in today's environment, and we are obsessed with delivering effective protection without complexity across your on-premise and hybrid/public cloud environments. Propelex provides Red Team pen testing services that combine manual, security expert-led operations with AI-powered automated technologies. Our best-of-both-worlds methodology generates outstanding insights and supports delivery of required security outcomes.

Healthcare

NAME UNDER NDA

ABOUT THE CLIENT

The Client is a US company operating in the healthcare insurance industry. The company is responsible for data and resources belonging to a diverse population of patients, doctors, specialists, hospitals, care centers, health organizations, and insurance providers.

GOALS

The Client needed a trusted security partner to validate security for their IT infrastructures, which are located in multiple data centers. They specified the following goals:

1. Identify security vulnerabilities
2. Provide guidance for remediation
3. Design a regular testing schedule

As a healthcare- and insurance-involved enterprise, the Client is subject to strict risk management, privacy, and data security regulations, including HIPAA and CCPA.

RESULTS

NETWORK PEN TESTING

Propelex conducted comprehensive testing on all operational and network infrastructure services and implementations within the Client's corporate environment, including activities that tested server configurations, baseline build guides, and administrative controls. Staff situational awareness was also evaluated, including using simulating a phishing attack to determine social engineering vulnerability.

CLOUD PEN TESTING

Penetration testing was performed to assess security for the Client's cloud infrastructures and SaaS cloud resources, including AWS, Azure, and Office 365. Network access, virtualization, and compliance processes were evaluated in a way that was safe, effective, and complied with individual cloud provider policies.

aws Azure Office 365

APPLICATION PEN TESTING

Web and mobile(iOS and Andriod) Application testing was conducted in parallel, which allowed assessment of the security integrity of the Client's applications and third-party products. All available attack surfaces were evaluated, including APIs and web interfaces. Reconnaissance and testing probed potential vulnerabilities for session management, configurations, authentication and authorization, validation, and more.

SECURE & COMPLIANT

PCI DSS · HIPAA HITRUST · SOC 2 TYPE 2 · GDPR · SOX COMPLIANCE · NIST

+1 (866) 776 7352 info@propelex.com www.propelex.com

Propelex

HELPING CLIENTS VALIDATE COMPLEX SECURITY ENVIRONMENTS

PHYSICAL PEN TESTING

Additionally, Propelex evaluated security at Client data centers and sensitive facilities with a physical walk-through. The effectiveness of security controls and response processes was assessed for physical entry barriers, cameras and sensors, biometric access controls, fire detection and suppression protocols, and more.

SUCCESS STORY

Propelex generated a risk rating methodology that provided complete assessment of and insights into:

- Threat agent factors
- Vulnerability factors
- Impact factors
- Opportunities for improvement

Collected evidence was confirmed, documented and explained, with step-by-step walkthroughs of each discovered vulnerability and accomplished exploit. The Propelex team developed remediation recommendations, and compiled the complete results into a formal penetration test report. This report was subjected to a quality assurance procedure, then securely issued to the Client for advance review.

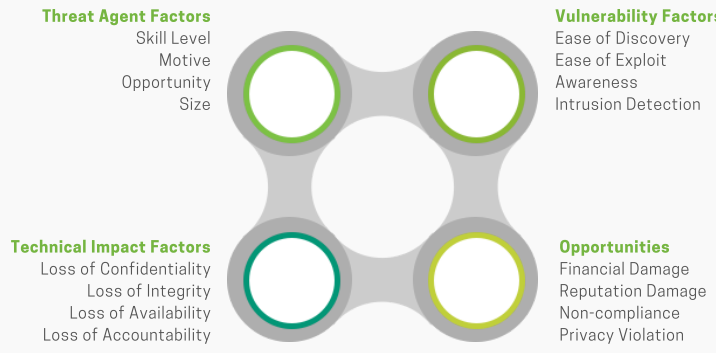
We coordinated a follow-up review meeting with stakeholders involved in remediation. Technical recommendations and insights that emerged from testing were used to make necessary operational and procedural adjustments.

The results of penetration testing by Propelex helped the Client substantially reduce operational risk, while demonstrating a commitment to ongoing security compliance and risk management. Implementing a regular schedule for penetration testing provided a platform for continuous security improvement, as well as insights necessary to transform security and compliance from a cost center into an engine for generating efficiencies and growing value.

APPROACH

Identify organization's exploitable security vulnerabilities through a systematic process. Understand overall health of your network, application, mobile, cloud & physical controls.

RISK RATING METHODOLOGY



SECURE & COMPLIANT

PCI DSS · HIPAA HITRUST · SOC 2 TYPE 2 · GDPR · SOX COMPLIANCE · NIST

+1 (866) 776 7352 info@propelex.com www.propelex.com