



Case Study

Healthcare and Security
Technology Solution
Provider



Customer Profile

- A USA-headquartered multinational company with over 1,500 employees
- Develop medical and security technology solutions such as CT, MRI, Digital Mammography, and Ultrasound products
- Holds a small team of 3 security professionals with dual responsibility for both corporate and product cybersecurity

Challenges Prior to PenTera

● Prioritizing remediation

The company could not keep up with the number of critical and high-priority vulnerabilities generated from the scanner that was in place, not to mention the 'medium' level ones.

● A sea of false alarm vulnerabilities

The company's team was unable to properly identify which vulnerabilities were breachable in their specific IT network in order to effectively prioritize remediation efforts.

● Posture visibility

The team struggled to properly assess the overall cyber posture across a large number of systems and networks. With a large amount of changing users, applications and privileges, it was near-impossible to assess an overall, validated posture and properly report to the CIO, CEO, and Board of Directors.

"PenTera is a must-have in your cybersecurity portfolio. It truly helps you understand where the 'holes' are, where the enemies can come in, and how to protect your organization."

CISO and Director of Infrastructure

Results

- PenTera enabled the customer to run regularly-scheduled penetration tests, which prioritized the weaknesses in an actionable manner, together with the attack vectors explaining their business impact.
- In two months the customer revised its posture remediation, including:
 - Change of corporate password policy
 - Remediation of all true-critical and breach-baring weaknesses

"PenTera is a critical part of my cybersecurity defense and depth strategy. You have different layers of defense within cybersecurity and PenTera is the most critical of all."

"The value that PenTera provided within one day and the way the information was organized and prioritized is much more valuable than having a manual penetration tester on staff."

Immediate benefits:



Instant results

PenTera scanned the company's network and the results came back instantly. PenTera showed the complete kill chains, as well as the specific impact that certain vulnerabilities would have on their business. It enabled the security team to properly prioritize and remediate the vulnerabilities that had the most damage-bearing potential to their business.



Beyond scanning

At the time, the company was comparing PenTera to Rapid7, but Rapid 7 proved too similar to the vulnerability management they previously used. It didn't have the context and prioritization capabilities that PenTera provides.



PenTest as QA to Cybersecurity

The team runs PenTera on most of their networks, including their data centers, at least once a month. PenTera has quickly become a crucial validation and risk management platform in the company's security stack.

The Hereafter

- Consistent and regular cyber posture report for the board at the CIO forum
- As new infrastructure is deployed, PenTera is used throughout the transition process to assure no weaknesses are created as a result of the changes made

"At the end of the day, it's all about continuous testing. The IT network is a dynamic being that is always changing, increasing the need for visibility and ongoing sanity checks of its components. The speed at which PenTera operates, as well as the value and applicability of the information it provides, makes the platform an invaluable part of the company's cyber security strategy. We now feel much better-equipped to protect against attacks and securely implement new technology."

About Pcysys

Pcysys delivers PenTera, an automated penetration-testing platform that assesses and reduces corporate cyber security risk. By applying the hacker's perspective, our software identifies, analyzes and prioritizes remediation of cyber defense vulnerabilities. Hundreds of security professionals and service providers around the world use PenTera to perform continuous, machine-based penetration tests that improve their immunity against cyber attacks across their organizational networks.



For more information: www.pcysys.com