MEDITOLOGY SERVICES

Why Meditology for Penetration Testing?



The healthcare ecosystem is under attack like never before, and attacks targeting vendors have become a common vector for hackers. Therefore, it is imperative to identify and remediate vulnerabilities in your network and applications before they can be exploited and potentially used to breach one of your customers.

At Meditology, we have decades of collective experience performing penetration testing and other technical testing. Penetration testing involves inherent risks, and Meditology adheres to a standard and proven testing methodology that is designed to simulate a real-world attack while maintaining safe processes to minimize potential impact to sensitive data and systems. Our approach allows our highly experienced and certified team to safely and successfully test sensitive client environments.

A healthcare-specific approach to penetration testing.

Meditology is a cybersecurity consulting company focused exclusively on serving the healthcare industry. Our approach to pen testing is based on years of experience testing sensitive clinical and operational environments.

Choose your penetration testing service provider carefully. Penetration testing involves inherent risks, and the last thing you need is a system to be brought down by an inexperienced or aggressive pen tester. Meditology's proven methodology enables us to safely test even the most sensitive environment of all - real-world clinical settings.

Here are some of the things that set Meditology's penetration testing services apart.

Comprehensive testing and reporting.

Meditology's penetration testing methodology is based on NIST SP 800-115 Technical Guide to Information Security Testing and Assessment, the Open Source Security Testing Methodology Manual (OSSTMM), the MITRE ATT&CK Framework for Enterprises, and the Open Web Application Security Project (OWASP) Application Security Verification Standard (ASVS). It is mapped to security standards requirements such as MITRE, OWASP, HIPAA, NIST, HITRUST, and PCI.

We use a combination of proprietary, commercial, and open source tools supported by manual testing techniques to safely simulate a wide range of real-life intrusion-related threats and attack scenarios. Our robust reporting include critical vulnerability reports, root cause analysis, detailed findings and recommendations, and a remediation roadmap for prioritized corrective action.

Compliance.

We map our findings to the standards that you are required to comply with, e.g. HIPAA, HITECH, PCI-DSS, and NIST.

Remediation services.

We can provide support to your remediation efforts and follow up with validation testing to ensure that all prioritized gaps are addressed in a timely manner.

Experienced team.

We have years of experience performing penetration testing for healthcare organizations ranging in size and complexity. Our knowledge of many exploirs for clinical systems and medical devices enables us to deliver value very quickly. Our cloud team has deep experience pen testing AWS, Azure, and GCP.

Tailored approach.

We understand each client's risk tolerance is different. We will work with you to determine the approach that is best suited to your needs and understand if any systems should be 'off limits'.

Comprehensive penetration testing services, backed by a proven partnership.

At Meditology, we deliver a wide variety of penetration testing services to address healthcare vendors' specific requirements and empower you to remain ahead of the ever-changing threat landscape. **Let's take a closer look at the services we provide:**

Network Penetration Testing

- **Unauthenticated and authenticated network penetration testing**
  - Internal
  - External
  - Wireless
- **Red team/blue team testing**
- **Scenario-based adversarial testing**

Application Security Testing

- **Web Application Security**
- **API & FHIR Testing**
- **Mobile Application Testing**
- **Dynamic and Static Code Analysis**

Vulnerability Identification

- **Vulnerability Scanning as a Managed Service**
- **PCI-ASV Quarterly Scanning**
- **Medical Device Vulnerability Identification**

- **Non-technical adversarial testing**
  - Social engineering
  - Phishing, vishing, smishing
  - Physical penetration testing
- **Network segmentation testing**
  - PCI DSS
  - Medical device segmentation

Cloud Security Testing

- **Microsoft Office 365 & Azure Testing**
- **Amazon AWS Testing**
- **Google Cloud Testing**
- **Cloud-Hosted Application Testing**
- **Post-Implementation and Cloud Security Configuration Testing**

> *"The Meditology ethical hacking and scanning activities are very valuable to our organization because it helps us proactively protect our network and show us where we might be vulnerable and what steps we need to take to fix it. It's a hefty price for a critical access hospital, but "you get what you pay for", and we don't want to skimp.* **We have high expectations and a high level of trust, which speaks to Meditology's ability – we respect them, and they've done a good job."**
>
> **— CIO/CISO, Non-Profit Hospital in New England**

About Meditology

Meditology is a best-in-class cybersecurity consulting and certification firm exclusively focused on the healthcare space. Our extensive knowledge of healthcare's regulatory, operational, clinical, and technical realities uniquely positions us to address your cybersecurity and compliance challenges. Meditology disrupts the status quo with a differentiated client experience that is highly responsive, deeply collaborative, and focused on results.

Ready to insulate your business against malicious attacks?

Visit **meditologyservices.com** to learn more and speak to an expert.

MEDITOLOGY SERVICES

Copyright © 2022 Meditology Services. All rights reserved.