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EDUCATION & MENTORING
SOCIAL MEDIA INTELLIGENCE
INTERNET INTELLIGENCE

IT SECURITY/CYBERSECURITY
Mentored Learning Workshop Use Case

Organization: Government Agency
Technologies: PEN Testing and Data Correlation & Analysis

Project Background

- A large organization approached The Sage Group with the request to provide expert-level mentoring in security penetration testing and associated data correlation analysis.
- The organization provided the Sage Group with the specifications and tools utilized by the existing IT security team for performing on premise external penetration tests.
- The in-house security team needed to become proficient with these security tools: Maltego, Rapid 7, Nessus, Metasploit, and Wireshark.

Planning

- After discussing and understanding the full requirements for the project, Sage Group Mentoring proposed a comprehensive and innovative solution to mentor on all aspects of penetration testing to tighten security.
- The expert mentoring process was divided into two focused segments:
  o The first focused on penetration tests with the client's actual tools.
  o The second focused on data correlation and analysis of the penetration test results.
- A month prior to the mentoring a list of set-up requirements was sent to the organization to ensure that the environment was in place to effectively perform penetration tests.

Solution & Result

With a mentoring investment of $45,000 in security penetration testing and data correlation and analysis, the IT team learned to successfully run penetration tests on their own and to:

- Interpret, understand, and respond to analysis of the data results
- Run its own tests
- Analyze results and apply appropriate security measures.

The money saved by insourcing these services can now be allocated to other key organizational initiatives to purchase hardware, software, services and additional mentoring.

Enhancing the IT security skills of in-house IT staff proved to be an excellent investment for the organization by the ability to create other mobile solutions.