Case Study

CYBERWISSEN
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Security Assessment
Vulnerability & Penetration Testing

Finance Industry

Business Challenges

- Receiving a concerning amount of reports of cyber breaches
- Internal staff has no formal cybersecurity training

Business Opportunities

- Business intelligence gathering
- Vulnerability Scans and Penetration Testing
- Email phishing awareness
- Network security architecture review

CyberWissen Solutions

- Internal vulnerability scans
- External penetration testing
- Social Engineering via email phishing campaign

Background

A national brokerage firm approached us for an outside review of their information security after growing concern over the almost daily reports of cyber breaches within the financial sector. The firm's network was large and spread across four physical locations within the European Uninon. While the firm maintains an internal IT staff, none of the staff have formal cybersecurity training. It was important for them to have a firm specializing in cybersecurity to confirm the best practices were being followed to protect the financial data that is entrusted to them.

Objectives

- Identify what information a hacker could find and use to attack them via the internet
- Confirm that their internal IT team's patching of vulnerabilities was up to date
- Test security awareness of all staff members
- Verify the security devices in place were properly configured

Solution

We began by visiting each physical site to review the device configurations and set up the internal vulnerability scans. Our social engineering team worked remotely to gather intelligence on the firm and its staff which could be targeted in a cyber attack. This intelligence was then used in our external penetration testing to see what weaknesses could be exploited. We were able to gain access to proprietary data, found over 40 unpatched critical or high-risk known vulnerabilities, and were able to get 10% of their staff to click on our pseudo malware link and/or submit forms with their full network credentials. Our recommendations for each vulnerability helped internal staff properly remediate and significantly increase the firm's security level.

Risk Assessment

Finding your gaps before it's too late

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