SB SECURITY BRIGADE

Immunity for your IT

Case Study: Organizational Vulnerability Assessment for a Government Organization

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About the Customer

As part of the audit requirement our client wanted to conduct a Vulnerability Assessment of all their internal network devices like firewall, routers, switches etc. to identify any threats that may have arisen due to device misconfiguration, patch issues etc.

The Challenge

Our Client wanted to conduct an organization wide vulnerability assessment for its workstations and network devices. The scope included over 6,000 workstations and 200 network devices that were to be audited from a remote network. The Client's key business goal was to ensure that its offices dealing with sensitive customer information could not become victim to known attacks, worms, etc.

The Solution

By using Security Brigade's in-house developed EDITE framework, the consultants completed Vulnerability Assessment. The key highlights of the assessment are listed below:

1. Initial scoping of the network was conducted to map and identify the current network, sensitive assets, access points, existing security mechanisms etc.
2. Conducted Vulnerability Assessment on the network devices and systems.
3. Results were correlated and analyzed based on the risk level and impact to the organization

Additionally, on completion of the Client's patch and remediation cycle, Security Brigade conducted a re-testing engagement to ensure the flaws were closed thoroughly.

The Deliverables

The reports and remediation information provided were customized to match the Client's operational environment and development framework. The following reports were submitted to the customer:

- **Executive Presentation:** Provides a overview of the entire engagement, detailing the issues from an impact and business risk perspective. The presentation is aimed at helping senior management quantify risks and take an informed decision while aligning security with business objectives.
- **Detailed Technical Report:** Comprehensive information, proof of concept examples and detailed exploitation instructions of all the threats identified.
- **Excel Tracker:** Simple and comprehensive vulnerability tracker aimed at helping the IT asset owner keep track of the vulnerabilities, remediation status, action items, etc.

The Benefits

By conducting thorough vulnerability assessments and identifying vulnerabilities, Security Brigade reduced the Client's risk exposure.

Additionally, the Client gained the following benefits:

- **Risk Benefits:** Security Brigade minimized security risks by assessing the customer's infrastructure vulnerabilities and recommended solutions with proven methods to enhance security.
- **Cost Savings:** Security Brigade suggested cost-effective risk-mitigation measures based on the customer's business requirements that would ensure security and continuity of the business.

- **End-User Satisfaction:** The Vulnerability Assessment was conducted with minimum interruption and damage across customer systems to identify security vulnerabilities, impacts and potential risks.

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