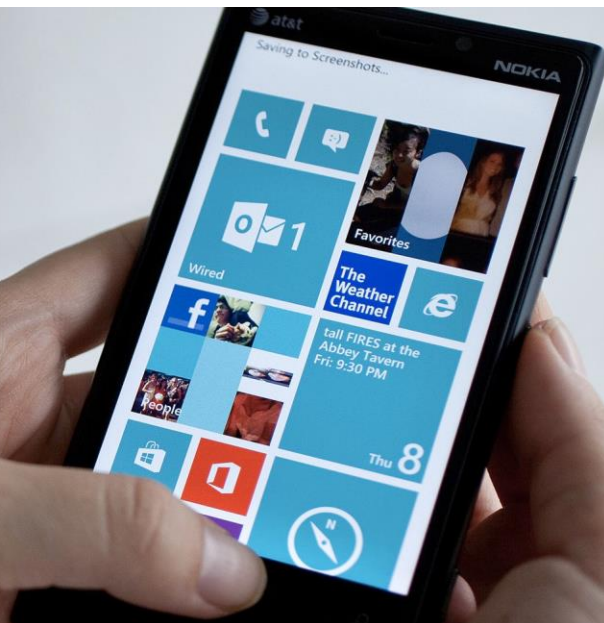




THREESIXTY LOGICA TESTING SERVICES



CLIENT

PROBLEM STATEMENT / CHALLENGES FACED

- Identifying vulnerabilities that may be difficult or impossible to detect with automated network or application vulnerability scanning software
- Identifying higher-risk vulnerabilities that result from a combination of lower-risk vulnerabilities exploited in a particular sequence.

PROCEEDING & SOLUTIONS

Penetration Testing:

→ **Discovery of open ports and running applications:**

1. Port Scanning

Used Meta-sploit tool to scan all the running and free ports of the machine and tried to verify security policies of the networks and got few ports were open i.e. 21, 80, 443

→ Exploitation to network and machine:

1. Access FTP Network:

- Applied different mechanism to get the access of 22, 21 ports of FTP. Unable to access the FTP as system is secure.
- Used telnet commands.

2. Authentication

- Used Hydra tool on windows and Kali Linux platform to get authenticate and access to the machine. Unable to access the machine as system is secure

3. Server Identification

- Checked with different tools to find the OS and other details and Identified that target machine has windows 2008 + IIS 7.5.

→ Brute Forcing:

1. Vulnerability scanning

- Used Meta-sploit to ensure there is no leak in the network from windows and Kali Linux. System seems to be secure.

APPLICATIONS & REQUIREMENTS

- Client wants to test their system security and to identify the loop holes or vulnerabilities if any and to reduce the attack risks.

TOOLS AND TECHNOLOGIES

- Tool identified: Hydra tool on windows and Kali Linux
- Meta sploit

ADVANTAGES OF USING Metasploit tool

- Metasploit helps to get to a command prompt on the target computer. Once a security tester has gotten to a command-line, it is quite possible that the target computer will be under his control in a short time.
- Metasploit can import vulnerability scan data and compare the identified vulnerabilities to existing exploit modules for accurate exploitation
- Metasploit is an open source tool and its Framework can be extended to use add-ons in multiple languages

BENEFITS TO OUR CLIENT

- Successfully identified vulnerabilities in the system.
- Helped to remove/reduce the security risks.
- Time and cost saving activity performed by offshore team.
- Very clear execution report wherein the issue was identified with ease.
- This was the first experience of our client when any offshore team was involved in such an important event and their trust and partnership strengthened the relationship with us.

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