

Wireless Network Penetration Testing

Are Your Wireless Networks Secure?

Despite the growing security concerns of wireless networks, the utilization of wireless LAN technology steadily increases.

LGMS can assist in identifying gaps in your organization's wireless security controls through Wireless Network Penetration Tests. LGMS assessment aims to ensure that your wireless network has the necessary security controls while providing consultation customized to your organization's business nature.

Whether you have an existing wireless network or plan to deploy a new one, LGMS' Wireless Network Penetration Tests also enhances your network environment by maximizing radio frequency coverage while minimizing channel interference — ensuring a more secure and efficient wireless network within your organization.

LGMS imitates attackers in sniffing your network, targeting your access point to steal sensitive information, and gaining unauthorized access to hog the bandwidth of your Internet connection or worse — for malicious activities such as hacking and Denial-of-Service attacks.

Our Coverage

LGMS will help you to discover WiFi security issues by performing the following:

- Rogue access point detection
- In-depth assessment on wireless network access point configuration in public areas
- Imitating an attacker to perform brute force attack and audit on wireless security protocol on your deployed wireless network
- Denial of service attack emulation to assess defensive strategy
- Hijacking a victim's Wi-Fi session
- Exploit various wireless security protocols such as WPA2 Enterprise, WPA2 Personal, WPA, and WEP to gain access into the wireless network
- Phishing attack by imitating legitimate wireless network access points



01

WAR-DRIVING

- Access point detection around the permitted areas
- Wireless signal strength mapping



02

WIRELESS AP IDENTIFICATION

- Determine authorized and rogue access point



03

HANDSHAKE CAPTURING

- Perform assessment on open wireless access point
- Capture authentication handshake



04

PASSWORD CRACKING

- Perform cracking on the handshake captured

Deliverables

Wireless Network Penetration Test report includes all details from war-driving to password cracking activities, whether the attacks succeeded or failed. A detailed report will be provided to our clients with the following:

- Identification of Rogue and Valid Access Points
- Wireless Network Coverage
- Wireless Network Key Strength and Related Security Assessment
- Wireless Signal Strength Mapping

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