

Penetration Testing Services

PENETRATION TEST

Cyber risks are increasing at an alarming rate and becoming more sophisticated. It is crucial for every organization to have a clear understanding of technical security exposure. The Presidio team is dedicated to evaluating your business's security posture, uncovering weaknesses, and providing a comprehensive strategic plan of action to protect your enterprise environment.

Penetration tests expose flaws in the company's threat prevention, detection, and response posture. A penetration test is a form of technical security probe to determine if there are vulnerabilities present that create an attack path that could be exploited by an unauthorized user. A penetration test is an authorized attack on the company's network, applications, or computer systems in order to determine the level of security exposure due to vulnerabilities and system hardening deficiencies that could put company information or assets at risk.

Value of Penetration Testing:

- ◆ Penetration tests identify vulnerabilities and blind spots that might not be exposed with typical network and vulnerability scanning software.
- ◆ Penetration tests validate security program effectiveness, as well as the overall security of the environment being tested.
- ◆ Penetration tests expose high-risk impacts that may be achieved by exploiting a sequence of lower-risk vulnerabilities.

External

Internal

Red Team

Application

IoT/OT

Cloud

Wireless

Social
Engineering

Physical

VULNERABILITY ASSESSMENT

A vulnerability scan is a quick and efficient way to expose systems in the environment that are not implemented or maintained to address platform vulnerabilities, creating opportunities for exploitation. A vulnerability scanning tool is used to interrogate all network-attached systems for known vulnerabilities.

APPLICATION SECURITY ASSESSMENT

Application security is covered with full-stack testing for web applications, APIs, mobile applications (iOS & Android), and internal apps. We use an internally developed methodology based on industry standards like OWASP that combines scanning tools and human application assessment expertise to discover common application vulnerabilities and security flaws.

WIRELESS PENETRATION TEST

A wireless penetration test emulates an attacker trying to break into the network through exposed wireless networks. The goal of this assessment is to identify poorly configured wireless devices, weak authentication keys, and insufficient segmentation that may be used to gain access to the enterprise network or as a vector for information disclosure.

IOT/OT PENETRATION TESTING

As organizations become more dependent on the Internet of Things (IoT), it is vital to incorporate these often overlooked devices into the organization's cyber security testing program to identify vulnerabilities in the IoT environment, including device architectures and firmware. Presidio can perform effective penetration testing for the entire IoT channel, including:

- ◆ Embedded Devices & Firmware
- ◆ Mobile, Web, and API endpoints
- ◆ Radio (ZigBee, Z-Wave) communications
- ◆ IoT Cloud API's

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SOCIAL ENGINEERING

Social Engineering is a way for an organization to test the effectiveness of their User Awareness Training Program. Our social engineering experts use various techniques to validate user response to various social engineering techniques. Including:

- ◆ Email Phishing
- ◆ SMS Phishing (Smishing)
- ◆ Phone Impersonation (Vishing)
- ◆ Physical Impersonation
- ◆ USB Drops

This provides the organization with a snapshot of common user behavior and where increased security awareness training is needed.

PHYSICAL SECURITY ASSESSMENT

This assessment is an on-site review of the organization's physical security controls around an environment, including locks, fences and other preventative controls, cameras and other detection controls, and a review of procedures around both routine and emergency procedures.

ADDITIONAL TECHNICAL TESTING SERVICES

- ◆ PCI-DSS ASV Scan
- ◆ HIPAA Compliance Assessment
- ◆ Cloud Security Architecture Assessment
- ◆ Operating System Hardening
- ◆ Firewall & Infrastructure Hardening

CONCLUSION

With Presidio's technical cyber security assessment services, you gain access to our team of experienced cybersecurity professionals who will identify gaps in your security posture. We assess the effectiveness of current countermeasures, and present actionable, strategic solutions to ensure security resilience. Boosted with capabilities in vulnerability assessments, penetration testing, architecture assessments, and more, Presidio stands ready to help you strengthen your defenses, ensure regulatory compliance, and ultimately develop a reliable security strategy that keeps you ahead in your security journey.

ABOUT PRESIDIO CYBERSECURITY

Presidio Cybersecurity is a leading provider of comprehensive cybersecurity solutions. We offer a wide range of services designed to help organizations navigate the complex landscape of information security and protect their critical assets. With our team of experienced consultants and cybersecurity experts, we provide expertise and guidance to address the ever-evolving security threats that organizations face.



Contact Presidio today: www.presidio.com