PENETRATION TESTING

CAN A DETERMINED ATTACKER GAIN ACCESS TO THE CRITICAL ASSETS YOU CANNOT AFFORD TO HAVE COMPROMISED?
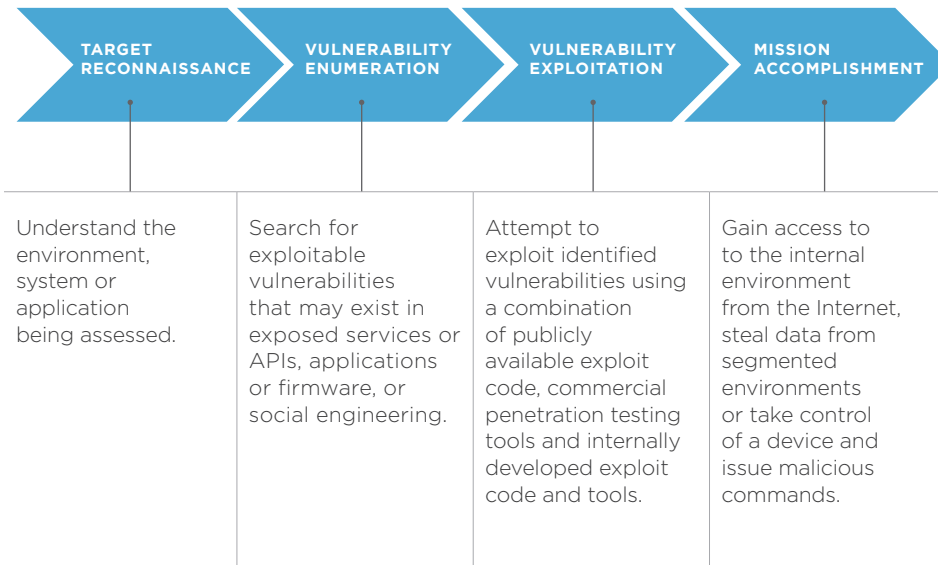
WHY MANDIANT

Mandiant is a trusted advisor to organizations globally with over 10 years of experience dealing with advanced threat actors from around the world. We support organizations during the most critical times after a security breach has been identified, and proactively help them improve their detection, response and containment capabilities.

Our penetration tests leverage our deep knowledge of advanced persistent threats and attacker behavior, using the same tools, tactics and procedures we see every day during our incident response engagements.

SERVICE OVERVIEW

Mandiant's penetration tests are custom-tailored to your environment and needs, assessing specific aspects of your security program and the state of security of your critical systems, networks and applications. We take advantage of all the intelligence gained from our years of experience responding to the most sophisticated threat actors.

Proactively identify and mitigate complex security vulnerabilities that can lead to critical data loss.

APPROACH

TARGET RECONNAISSANCE	VULNERABILITY ENUMERATION	VULNERABILITY EXPLOITATION	MISSION ACCOMPLISHMENT
Understand the environment, system or application being assessed.	Search for exploitable vulnerabilities that may exist in exposed services or APIs, applications or firmware, or social engineering.	Attempt to exploit identified vulnerabilities using a combination of publicly available exploit code, commercial penetration testing tools and internally developed exploit code and tools.	Gain access to to the internal environment from the Internet, steal data from segmented environments or take control of a device and issue malicious commands.

Assessments can be performed black box (starting the assessment with zero knowledge of the environment) or white box (starting with knowledge of the environment).

BENEFITS

• Know whether your critical assets are at risk

• Identify and mitigate complex security vulnerabilities before an attacker exploits them

• Understand how the most sophisticated attackers operate based on intelligence gained from our years performing incident response

• Attain realistic findings and comprehensive recommendations

RANGE OF CUSTOMIZABLE PENETRATION TESTING SERVICES

PENETRATION TEST	OBJECTIVE	BENEFIT
External Penetration Tests	Identify and exploit vulnerabilities on systems, services and applications exposed to the Internet	Understand risk to assets exposed to Internet
Internal Penetration Tests	Simulate a malicious insider or an attacker that has gained access to an end-user system, including escalating privileges, installing custom-crafted malware and/or exfiltrating faux critical data	Understand risk to business from a breach
Web Application Assessments	Comprehensively assess web or mobile applications for vulnerabilities that can lead to unauthorized access or data exposure	Understand the security of applications that broker access to critical data
Mobile Device Assessments	Comprehensively assess the security of mobile devices and installed applications	Understand risk introduced to your organization through newly developed mobile applications or company-issued cell phones
Social Engineering	Assess the security awareness and general security controls with respect to human manipulation, including email, phone calls, media drops and physical access	Understanding how your organization reacts to exploitation of human beings
Wireless Technology Assessments	Assess the security of your deployed wireless solution, be it an 802.x, Bluetooth, zigbee, or others	Understand how secure your data in transit and systems communicating via wireless technology actually are
Embedded Device\ Internet of Things (IoT) Assessments	Assess the security of your device by attempting to exploit the embedded firmware, control the device by passing or injecting unsolicited malicious commands, or modify data sent from the device	Understand the security of your device and your ability to guarantee that the commands issued to and information received from the device are legitimate
ICS Penetration Tests	Combine penetration testing and exploitation experience with ICS expert knowledge to prove the extent an attacker can access, exploit or otherwise manipulate critical ICS/SCADA systems	Understand the vulnerabilities in your ICS environment before an attacker exploits them

WHAT YOU GET

- Summary for executive- and senior-level management

- Technical details that include enough information to recreate our findings

- Fact-based risk analysis so you know a critical finding is relevant to your environment

- Tactical recommendations for immediate improvement

- Strategic recommendations for longer-term improvement

For more information on Mandiant consulting services, visit:
www.FireEye.com/services.html

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