



# Penetration Testing

Identify the security gaps and risks to your most critical assets



## BENEFITS

- Go beyond an automated scan to identify real risks based on TTPs used by real attackers in real attacks.
- Know whether your critical data is at risk and how easily it may be obtained by a malicious actor
- Test the security of your network architecture in a controlled, non-destructive attack scenario
- Identify and mitigate complex security vulnerabilities and misconfigurations before an attacker exploits them
- Identify opportunities to improve your long-term security plan

## Why Mandiant

Mandiant, a FireEye company, has been at the forefront of cyber security and cyber threat intelligence since 2004. Our incident responders have been on the frontlines of the world's most complex breaches worldwide. We have a deep understanding of both existing and emerging threat actors, as well as their rapidly changing tools, tactics and procedures.

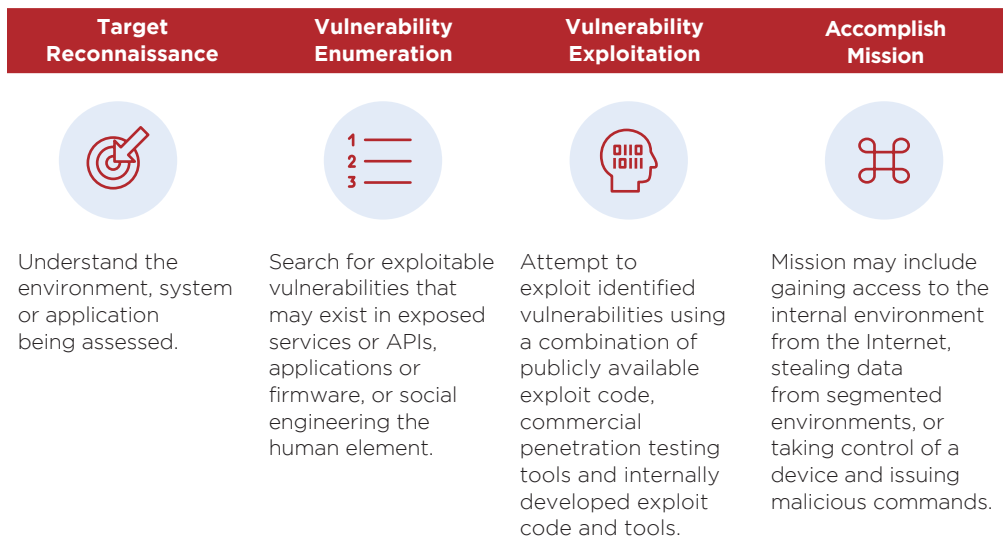
## Service Overview

Mandiant Penetration Testing is custom-tailored to your environment and needs to assess specific aspects of your security program and the security posture of your critical systems, networks and applications. Our penetration tests use intelligence gained from the frontlines of incident response to identify gaps in your network infrastructure and configuration that would allow an attacker to access your most critical assets.

Penetration tests offered by Mandiant are tailored to specific areas of your network, applications or product, and include:

- Internal penetration test
- External penetration test
- Web application assessment
- Mobile device/application assessment
- Social engineering assessment
- Wireless technology assessment

## Methodology Approach



### DELIVERABLES

- Summary for executives and senior-level management
- Technical details with step-by-step information that allows you 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 long-term improvement

Mandiant begins a penetration test by understanding the environment, system, or application being assessed. Based on the parameters of the engagement, Mandiant may be given some or no prior knowledge of the system or network being assessed.

Mandiant then searches for exploitable vulnerabilities and misconfigurations that may exist in exposed services, APIs, applications, infrastructure configuration or firmware. Mandiant attempts to exploit identified vulnerabilities to gain access to systems using a combination of publicly available exploit code, commercial penetration testing tools and internally developed exploit code and tools.

Mandiant attempts to accomplish predetermined mission objectives such as gaining access to the internal environment from the Internet, stealing data from segmented environments or taking control of a device and issuing malicious commands.

### Why Choose Penetration Testing

Penetration Testing is recommended when the main objective is identifying vulnerabilities and misconfigurations in your network infrastructure, applications or product. A penetration test is designed to identify security gaps so they can be closed before an attacker leverages them. Unlike a red team, penetration tests are not meant to be stealthy; the focus is to identify gaps and risks, not avoid detection.

For example, an internal penetration test may start with a known compromise to determine the impact of an attacker having access to your network. The internal penetration test will identify routes available to a standard user where they can escalate privileges, move laterally and accomplish objectives.

To learn more about FireEye, visit: [www.FireEye.com](http://www.FireEye.com)

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#### About FireEye, Inc.

FireEye is the intelligence-led security company. Working as a seamless, scalable extension of customer security operations, FireEye offers a single platform that blends innovative security technologies, nation-state grade threat intelligence and world-renowned Mandiant® consulting. With this approach, FireEye eliminates the complexity and burden of cyber security for organizations struggling to prepare for, prevent and respond to cyber attacks. FireEye has over 6,600 customers across 67 countries, including more than 45 percent of the Forbes Global 2000.

