

WHATIS

PENETRATION

Penetration testing is the process of identifying security gaps in your IT infrastructure by mimicking real world attacks. Think about it as quality assurance for your IT security.

WHY PENETRATION TESTING?

People conduct penetration tests for a number of reasons:



Prevent data braches



Check security controls



Meet compliance

requirements



Get a baseline for your security program 😲 of new applications

000 000000 **Ensure security**



Every penetration tester has a slightly different method, and assessments depend on the environment and goals. That said, here are the stages of a typical security assessment:



Vulnerability Scan

(Rapid7 Nexpose)

Manually Add Device



DISCOVER DEVICES

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Smart Bruteforcing

Automated Exploitation



Manual Exploitation



Social Engineering Campaign





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Web App Scanning & Exploitation

Automated Evidence **Collection Modules**

Live Reporting

Collect Loot

(PII, PHI, IP, and card-holder data)

Collect Credentials



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Command Shell Session



Meterpreter Session



Manual Authentication



Impersonate Administrator



Proxy & VPN Pivoting

KEY CONSIDERATIONS FOR YOUR NEXT PENETRATION TEST



SET THE SCOPE

my company needs to protect?" Then instruct the penetration tester to try to access those systems.

Ask, "What is the most important digital asset



CONDUCT THE TEST SAFELY

test on your systems is qualified to do so. Avoid issues with your production environment.

Ensure that the person carrying out a penetration



IN-HOUSE VS. OUTSOURCED

assessment, which means enlisting an external penetration tester with a fresh set of eyes.

Do you have enough work to employ a penetration tester full-time? You may want a truly independent



SELECT THE RIGHT PERSON

highly trustworthy.

Whether you're hiring an internal penetration tester

or a consultant, make sure they are well trained and

FOR A MORE DETAILED GUIDE ON PENETRATION TESTING PRINCIPLES

AND BEST PRACTICES, DOWNLOAD THE WHITEPAPER:

www.rapid7.com/what-is-penetration-testing



