

NETWORK PENETRATION TESTING

Find critical vulnerabilities in your infrastructure



Penetration Testing is the process of simulating real-world attacks by using the same techniques as malicious hackers. For a security assessment that goes beyond a simple vulnerability scanner, you need experts in the industry.

Unlike automated vulnerability scans that only scrape the surface of your network, a network penetration test by Rhino Security provides deep insight into the security risks in your environment.

By harnessing decades of combined security research, our consultants can help determine:

- Where vulnerabilities exist in your network
- The total risk, exploitation likelihood, and potential impact of vulnerabilities
- How privileged accounts might be abused internally
- Which permissions can be escalated on compromised systems

EXTERNAL NETWORK ASSESSMENT

When your network perimeter is attacked every day, even small external vulnerabilities can be damaging. External network penetration testing identifies vulnerabilities on infrastructure, devices and servers accessible from the internet.

To fully test the perimeter, we suggest pairing the External Network Assessment with Social Engineering Assessment engagement, a common vector for modern attackers.

INTERNAL NETWORK ASSESSMENT

Internal network testing assesses the organization's security from the perspective of an inside user. While this is typically seen as a disgruntled employee, it can also be compared to an attacker who has breached the external perimeter - a very common occurrence in today's environment.



“ I like working with [Rhino Security Labs]. We have learned from them and I think their experience will be valuable to other app publishers and networks as well.. ”

– Mark Cuban

ASSESSMENT DETAILS AND METHODOLOGY

At Rhino Security Labs, our network penetration testing targets the entire range of devices on your network. Using the same techniques as sophisticated hackers, we providing unique visibility into security risks automated tools often miss. To ensure high quality, repeatable engagements, our penetration testing methodology follows these steps:

Information gathering on target environment



1. Reconnaissance

As with malicious hackers, each penetration test begins with information gathering. Collecting, parsing, and correlation information on the target is key to identifying vulnerabilities.

Identify and map vulnerabilities



2. Vulnerability Detection

Once the target has been fully enumerated, Rhino Security Labs uses both vulnerability scanning tools and manual analysis to identify security flaws. With decades of experience and custom-built tools, our security engineers find weaknesses most automated scanners miss.

Safe and controlled exploitation of vulnerabilities



3. Attack and Post-Exploitation

At this stage of the assessment, our consultants review all previous data to safely exploit identified vulnerabilities. Once sensitive access has been obtained, focus turns to escalation to identify total business impact.

During each phase of the compromise, we keep client stakeholders informed of testing progress, ensuring asset safety and stability.

Detailed, risk-prioritized report with remediation steps



5. Assessment Reporting

Once the engagement is complete, Rhino Security Labs delivers a detailed analysis and threat report, including remediation steps. Our consultants set an industry standard for clear and concise reports, prioritizing the highest risk vulnerabilities first.

The assessment includes the following:

- Executive Summary
- Strategic Strengths and Weaknesses
- Identified Vulnerabilities and Risk Ratings
- Detailed Risk Remediation Steps
- Assets and Data Compromised During Assessment

ABOUT RHINO SECURITY LABS

Rhino Security Labs is a top penetration testing and security assessment firm, with a focus on web applications, cloud/AWS, network, mobile apps and phishing testing. With manual, deep-dive engagements, we identify and demonstrate security vulnerabilities which put clients at risk.

Endorsed by industry leaders, Rhino Security Labs is a trusted security advisor to the Fortune 500.