
Penetration Test Report

PENETRATION TESTER

Jun 07, 2019

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EXECUTIVE SUMMARY

PENTESTER NAME (“the pentester” henceforth) was contracted by COMPANY NAME to conduct a penetration test in order to determine its exposure to a targeted attack. All activities were conducted in a manner that simulated a malicious attacker engaged in a targeted attack against COMPANY NAME with the goals of:

- Identifying if a remote attacker could penetrate COMPANY NAME’s defenses
- **Determining the impact of a security breach on:**
 - Confidentiality of the company’s private data
 - Internal infrastructure and availability of COMPANY NAME’s information systems

Efforts were placed on the identification and exploitation of security weaknesses that could allow a remote attacker to gain unauthorized access to organizational data. The attacks were conducted with the level of access that a general Internet user would have. The assessment was conducted in accordance with WHATEVER SET OF GUIDELINES¹, with all tests and actions being conducted under controlled conditions.

1.1 Summary of Results

[TODO: Include a summary of discoveries.]

1.2 Recommendations

[TODO: Include recommendations to the executives.]

¹ WHERE TO FIND THE GUIDELINES

ATTACK METHODOLOGIES

The pentester utilized a widely-adopted approach to performing penetration testing that is effective in testing how well COMPANY NAME's systems have been secured. Below is a breakdown of how he was able to identify and exploit the variety of systems, including all individual vulnerabilities found.

2.1 Information Gathering

The information gathering portion of a penetration test focuses on identifying the scope of the penetration test. During this penetration test, the pentester was tasked with exploiting COMPANY NAME's systems.

The specific IP addresses were:

[insert table of IPs]

2.2 Service Enumeration

The service enumeration portion of a penetration test focuses on gathering information about what services are alive on a system or systems. This is valuable for an attacker as it provides detailed information on potential attack vectors into a system. Understanding what applications are running on the system gives an attacker vital information before performing the actual penetration test.

The following systems and ports were identified. In some cases, some ports may not be listed.

[insert table of ports]

2.3 Penetration

The penetration portion of a test focuses heavily on gaining access to the various systems within a target's networks. During the penetration test, the pentester was able to successfully gain access to X out of Y systems.

The following sections outline the vulnerable systems, as well as the methods used to compromise those systems.

2.3.1 [SYSTEM IP]

2.3.1.1 Vulnerability: [VULNERABILITY NAME]

Explanation

Countermeasures

Severity

Proof of Concept

2.4 Maintaining Access

Maintaining access to a system is important to attackers. Ensuring that they can get back into a system after it has been exploited is invaluable. Many exploits may only be exploitable once, preventing further attempts to gain access to the system. The maintaining access phase of the penetration test focuses on ensuring that once the pentester has access to the system, they can keep that access in the future.

[BRIEFLY DESCRIBE STEPS TAKEN FOR MAINTAINING ACCESS]

2.5 House Cleaning

The house cleaning portion of the assessment ensures that all remnants of the penetration test are removed. Often fragments of tools or user accounts are left on an organization's computer which can cause security issues down the road. It is important to ensure that the pentester is meticulous and that no remnants of the test remain upon completion.

[BRIEFLY DESCRIBE STEPS TAKEN TO CLEAN HOUSE.]

APPENDICES

3.1 About the Penetration Tester

[TODO: Write about the penetration tester.]