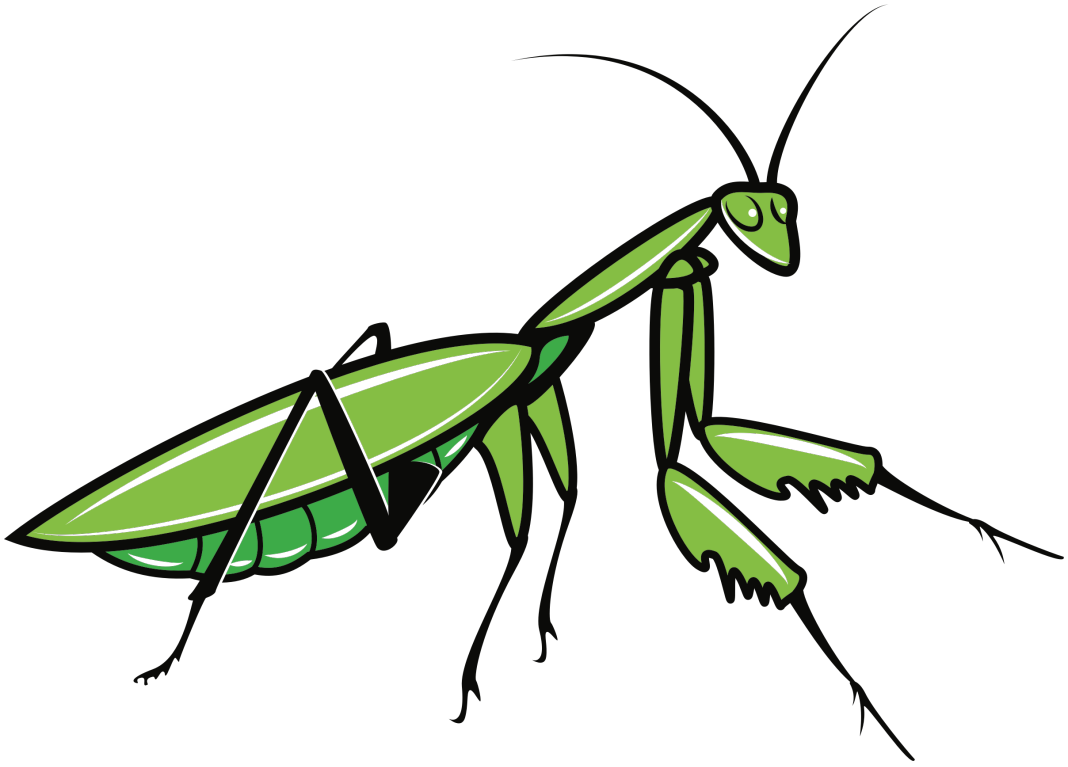
Hack The Box
PEN-TESTING LABS

Technical report

Machine Mantis



January 23 of 2022

Contents

1 Disclaimer

A penetration test is considered a snapshot in time. The findings and recommendations reflects the information gathered during the assessment and not any changes or modifications made outside of that period.

Time-limited engagements do not allow for a full evaluation of all security controls. **Your Company Name** prioritized the assessment to identify the weakest security controls an attacker would exploit. **Your Company Name** recommends conducting similar assessments on an annual basis by internal or third-party assessors to ensure the continued success of the controls.

1.1 Confidentiality Statement

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TCMS may share this document with auditors under non-disclosure agreements to demonstrate penetration test requirement compliance.

1.2 Contact info

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1.3 Assesment overview

From *Date 1* to *Date 2*, **Your Company Name** engaged Penetration tests to evaluate the security posture of its infrastructure compared to current industry best practices. All testing performed is based on the NIST SP 800-115 Technical Guide to Information Security Testing and Assessment, OWASP Testing Guide (v4), and customized testing frameworks.

Phases conducted for penetration testing are the following:

- Planning and preparation.
- Reconnaissance / Discovery.
- Vulnerability Enumeration / Analysis.
- Initial Exploitation.
- Expanding Foothold / Deeper Penetration.
- Cleanup.
- Report Generation.

2 Antecedents

The following document takes all the processes and results given by the audit made to the machine **Mantis** from the platform **HackTheBox**.

Figure 1: Details of the machine

URL

https://app.hackthebox.com/machines/98

2.1 considerations

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2.2 examples

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3 Objectives

The idea is to check the machine state of the machine **images/mantis.png**.

3.1 considerations

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3.2 results

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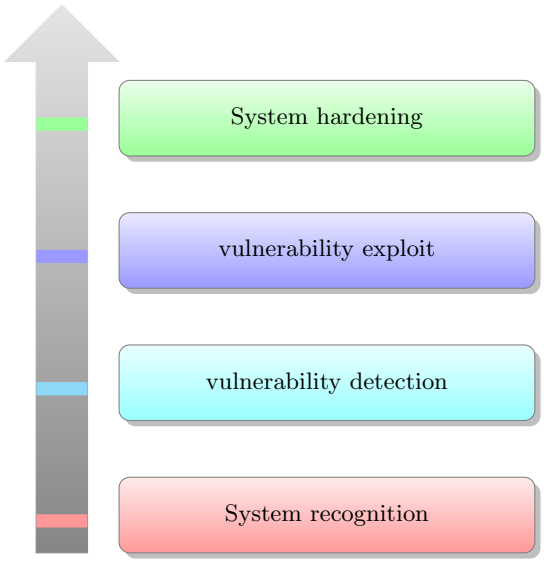

Figure 2: Workflow

4 Vulnerability analysis

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4.1 Initial Recognition

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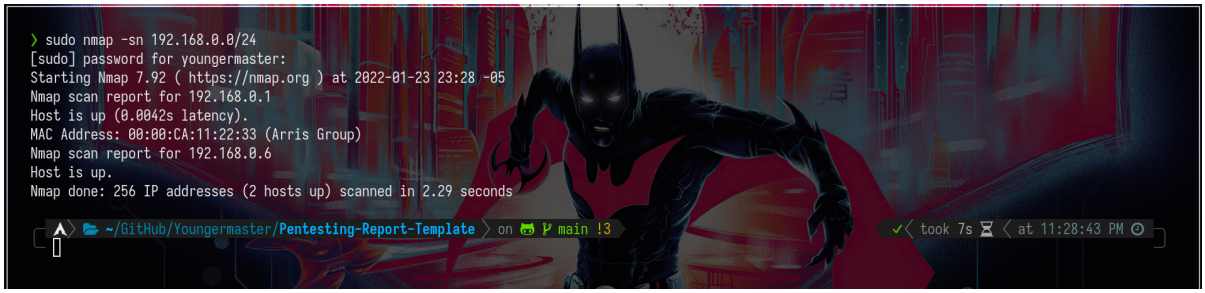

4.2 Improvement

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```
# This function is taken from S4vitar's blog.
# https://s4vitar.github.io/bspwm-configuration-files/

ports="$(cat $1 | grep -oP '\d{1,5}/open' | awk '{print $1}' FS='/' | xargs | tr ' ' ',')"
ip_address="$(cat $1 | grep -oP '\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}' | sort -u | head -n 1)"
echo -e "\n[*] Extracting information...\n" > extractPorts.tmp
echo -e "\t[*] IP Address: $ip_address"  >> extractPorts.tmp
echo -e "\t[*] Open ports: $ports\n"  >> extractPorts.tmp
echo $ports | tr -d '\n' | xclip -sel clip
echo -e "[*] Ports copied to clipboard\n"  >> extractPorts.tmp
cat extractPorts.tmp; rm extractPorts.tmp
```

Code 1: This script allow us to extract nmap generated info

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Ports
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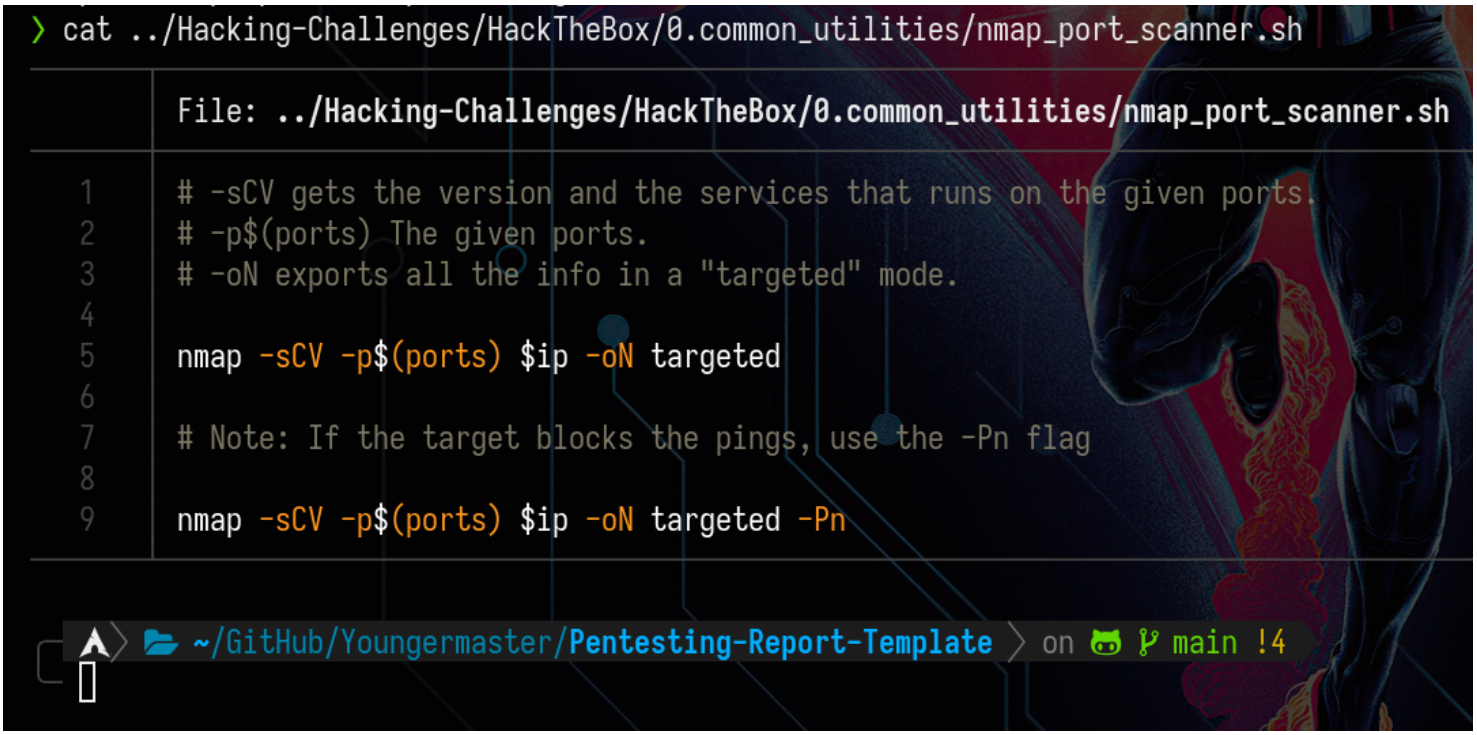

Figure 3: These are the results of lorem ipsum

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