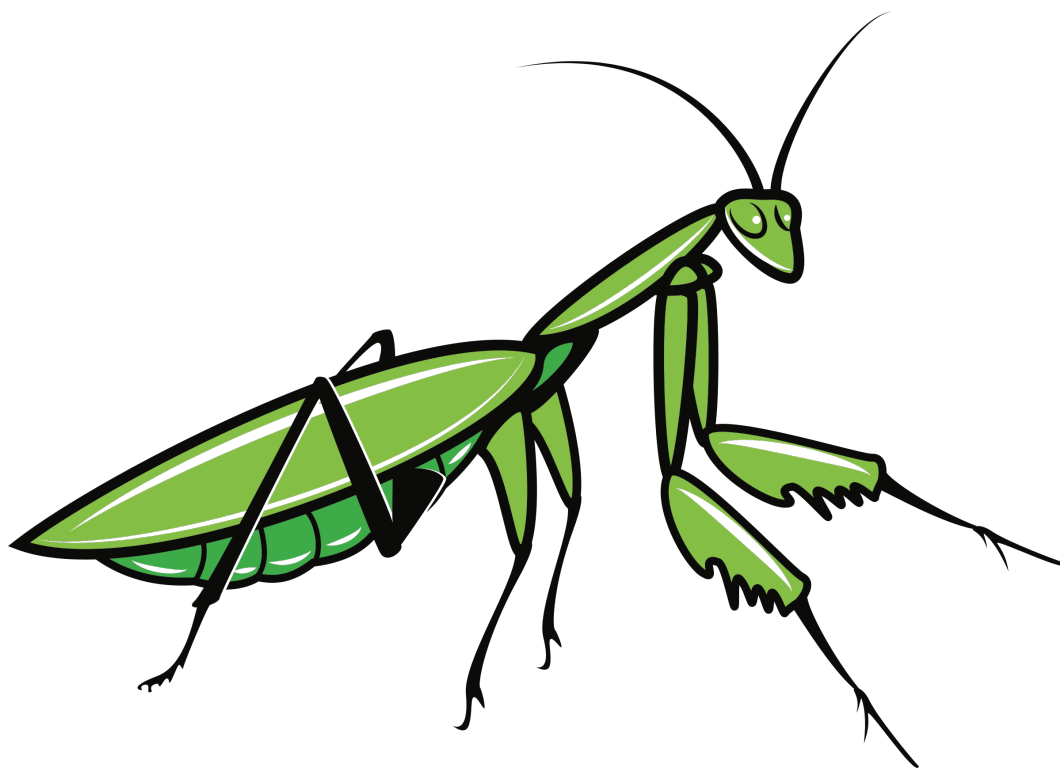


Hack The Box

PEN-TESTING LABS

Technical report

Machine Mantis



This document is to be used for learning purposes only.
This document should not be printed or shared.

January 23 of 2022



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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

Country List		
Country Name or Area Name	ISO ALPHA 2 Code	ISO ALPHA 3
Afghanistan	AF	AFG
Aland Islands	AX	ALA
Albania	AL	ALB
Algeria	DZ	DZA
American Samoa	AS	ASM
Andorra	AD	AND
Angola	AO	AGO

2 Antecedents

The following document takes all the processes and results given by the audit made to the machine **Mantis** from the platform [HackTheBox](https://app.hackthebox.com/machines/98).

URL

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

2.1 considerations

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur molestie nulla nec hendrerit blandit. Aenean euismod tincidunt sapien at lacinia. Praesent at tortor nec nunc sodales posuere in eu mi. Fusce ac fringilla velit. Nam libero leo, consequat sit amet est varius, imperdiet iaculis massa. Suspendisse scelerisque eu erat eu cursus. Vivamus ac euismod ex. Integer euismod sem et euismod mattis. Integer vel rutrum velit, eu dictum nisi. Pellentesque venenatis et nisi a sodales. Integer pretium ut nisi at fringilla. Quisque nunc dui, consequat id turpis non, dignissim consectetur nunc.



Figure 1: Details of the machine

2.2 examples

Morbi id turpis bibendum, ultrices turpis eu, molestie nunc. Duis aliquet aliquam turpis, vitae ultricies turpis. Ut tristique elementum nunc ac euismod. Proin viverra ultrices enim, et bibendum sem dignissim venenatis. Pellentesque non lectus nec erat congue viverra feugiat a urna. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel ex sit amet nulla mollis lacinia. Nulla vehicula orci sit amet fermentum egestas. Mauris blandit ultricies sem, id convallis nunc malesuada non. Morbi venenatis ultricies leo, vel ullamcorper ligula mattis a.

3 Objectives

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

3.1 considerations

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur molestie nulla nec hendrerit blandit. Aenean euismod tincidunt sapien at lacinia. Praesent at tortor nec nunc sodales posuere in eu mi. Fusce ac fringilla velit. Nam libero leo, consequat sit amet est varius, imperdiet iaculis massa. Suspendisse scelerisque eu erat eu cursus. Vivamus ac euismod ex. Integer euismod sem et euismod mattis. Integer vel rutrum velit, eu dictum nisi. Pellentesque venenatis et nisi a sodales. Integer pretium ut nisi at fringilla. Quisque nunc dui, consequat id turpis non, dignissim consectetur nunc.

3.2 results

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luctus et ultrices posuere cubilia curae; Nam vel ex sit amet nulla mollis lacinia. Nulla vehicula orci sit amet fermentum egestas. Mauris blandit ultricies sem, id convallis nunc malesuada non. Morbi venenatis ultricies leo, vel ullamcorper ligula mattis a.

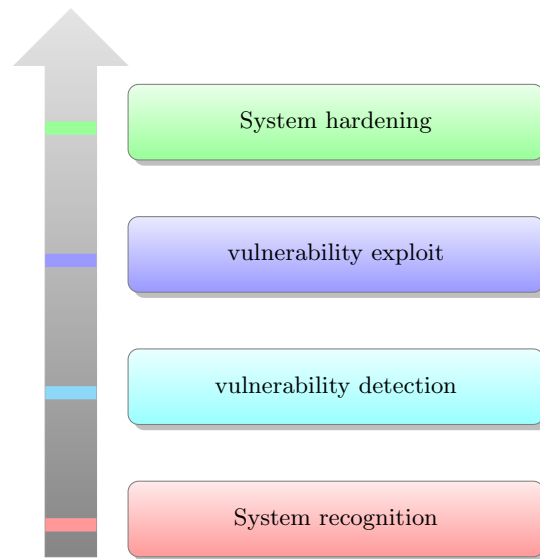


Figure 2: Workflow

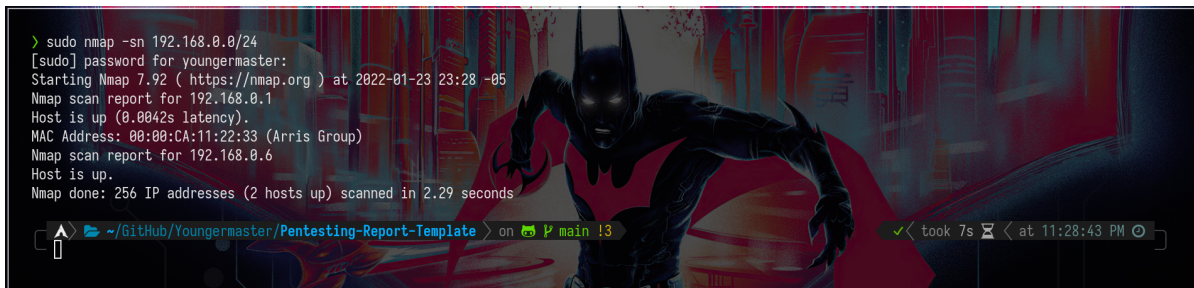


4 Vulnerability analysis

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4.1 Initial Recognition

Fusce ac fringilla velit. Nam libero leo, consequat sit amet est varius, imperdiet iaculis massa. Suspendisse scelerisque eu erat eu cursus. Vivamus ac euismod ex. Integer euismod sem et euismod mattis. Integer vel rutrum velit, eu dictum nisi. Pellentesque venenatis et nisi a sodales. Integer pretium ut nisi at fringilla. Quisque nunc dui, consequat id turpis non, dignissim consectetur nunc.



4.2 Improvement

Morbi id turpis bibendum, ultrices turpis eu, molestie nunc. Duis aliquet aliquam turpis, vitae ultricies turpis. Ut tristique elementum nunc ac euismod. Proin viverra ultrices enim, et bibendum sem dignissim venenatis. Pellentesque non lectus nec erat congue viverra feugiat a urna. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel ex sit amet nulla mollis lacinia. Nulla vehicula orci sit amet fermentum egestas. Mauris blandit ultricies sem, id convallis nunc malesuada non. Morbi venenatis ultricies leo, vel ullamcorper ligula mattis a.

```
1 # This function is taken from S4vitar's blog.
2 # https://s4vitar.github.io/bspwm-configuration-files/
3
4 ports="$(cat $1 | grep -oP '\d{1,5}/open' | awk '{print $1}' FS='/' | xargs | tr ' ' ',,')"
5 ip_address="$(cat $1 | grep -oP '\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}' | sort -u | head -n 1)"
6 echo -e "\n[*] Extracting information...\n" > extractPorts.tmp
7 echo -e "\t[*] IP Address: $ip_address" >> extractPorts.tmp
8 echo -e "\t[*] Open ports: $ports\n" >> extractPorts.tmp
9 echo $ports | tr -d '\n' | xclip -sel clip
10 echo -e "[*] Ports copied to clipboard\n" >> extractPorts.tmp
11 cat extractPorts.tmp; rm extractPorts.tmp
```

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



Donec ut tincidunt dolor. Curabitur sit amet porttitor magna, nec consectetur mi. Praesent quis congue tellus, a tincidunt mauris. Aenean sed luctus enim. Donec ut maximus nisi, sed malesuada erat. Aliquam sollicitudin ullamcorper sem vitae ultrices. Sed iaculis enim egestas, suscipit arcu ac, lacinia risus. Proin scelerisque mi eu feugiat euismod:

TCP
Ports
593,1337

Vivamus vitae elit porta, tempor justo tincidunt, accumsan ligula. Proin nec magna sit amet leo dignissim sollicitudin sit amet ut quam:

```
> cat ../Hacking-Challenges/HackTheBox/0.common_utilities/nmap_port_scanner.sh
File: ../Hacking-Challenges/HackTheBox/0.common_utilities/nmap_port_scanner.sh
1  # -sCV gets the version and the services that runs on the given ports.
2  # -p$(ports) The given ports.
3  # -oN exports all the info in a "targeted" mode.
4
5  nmap -sCV -p$(ports) $ip -oN targeted
6
7  # Note: If the target blocks the pings, use the -Pn flag
8
9  nmap -sCV -p$(ports) $ip -oN targeted -Pn
```

~/GitHub/Youngermaster/Pentesting-Report-Template > on main !4

Figure 3: These are the results of lorem ipsum

Ut vulputate fermentum scelerisque 3 and 6. Interdum et malesuada fames ac ante ipsum primis in faucibus.