Reporte técnico

SICI (Sistema Inteligente de Colaboración Ciudadana)

Marzo 14 de 2022

Civica

Innova Group

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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. **SICI** prioritized the assessment to identify the weakest security controls an attacker would exploit. **SICI** 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

1.2 Contact info

Contact info.			
Name	Title	Email	Contact
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1.3 Assesment overview

From *Date 1* to *Date 2*, **SICI** 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 **SICI (Sistema Inteligente de Colaboración Ciudadana)** from the platform **HackTheBox**.

Figure 1: Details of the machine

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.

2.2 examples

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3 Objectives

The idea is to check the machine state of the machine **SICI (Sistema Inteligente de Colaboración Ciudadana)**.

3.1 considerations

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3.2 results

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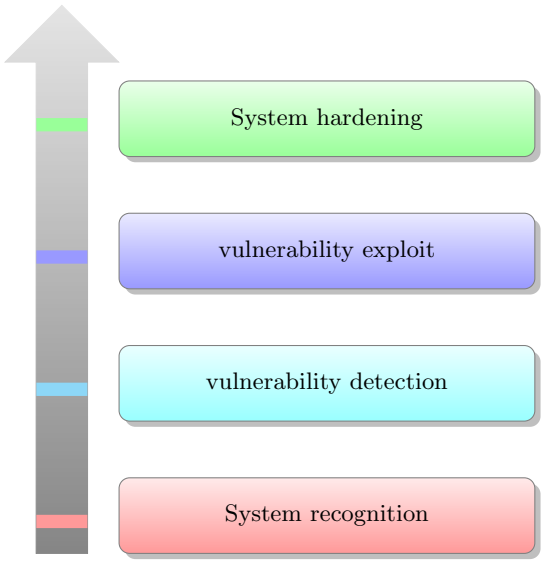

Figure 2: Workflow

4 Vulnerability analysis

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4.1 Initial Recognition

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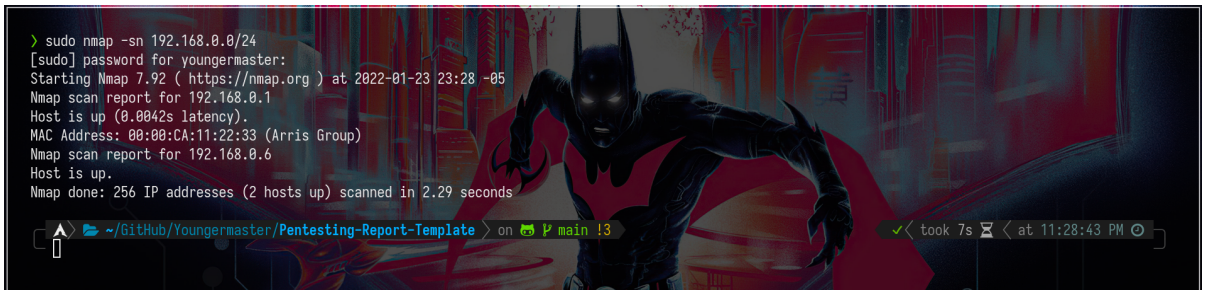

4.2 Improvement

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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

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

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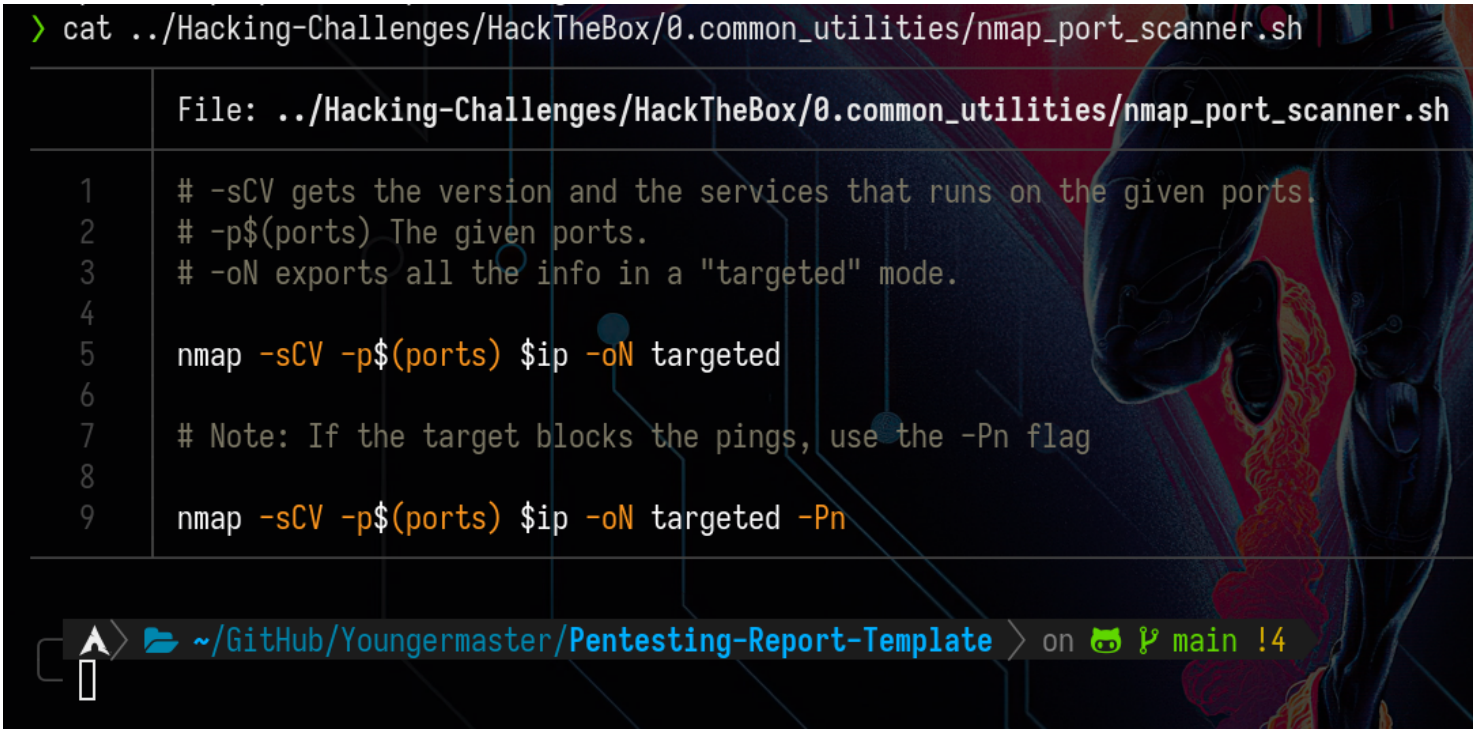

Figure 3: These are the results of lorem ipsum

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