ANTHEM

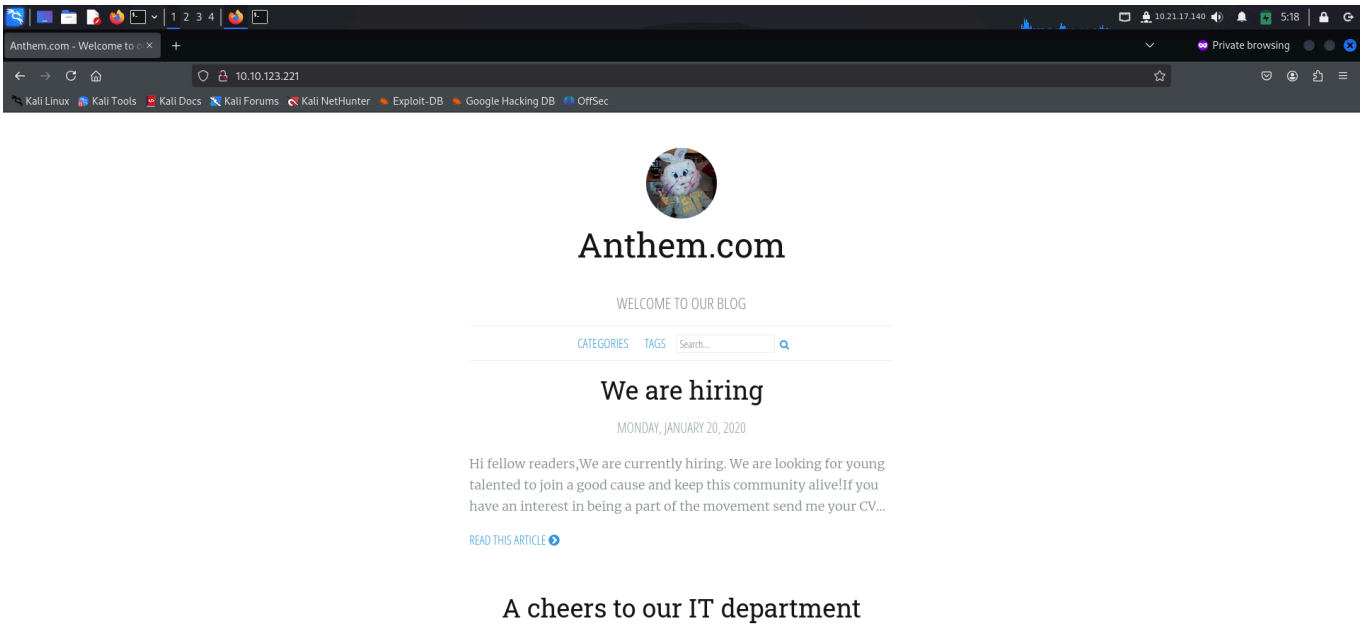
Link to machine : https://tryhackme.com/room/anthem

RECONNAISSANCE

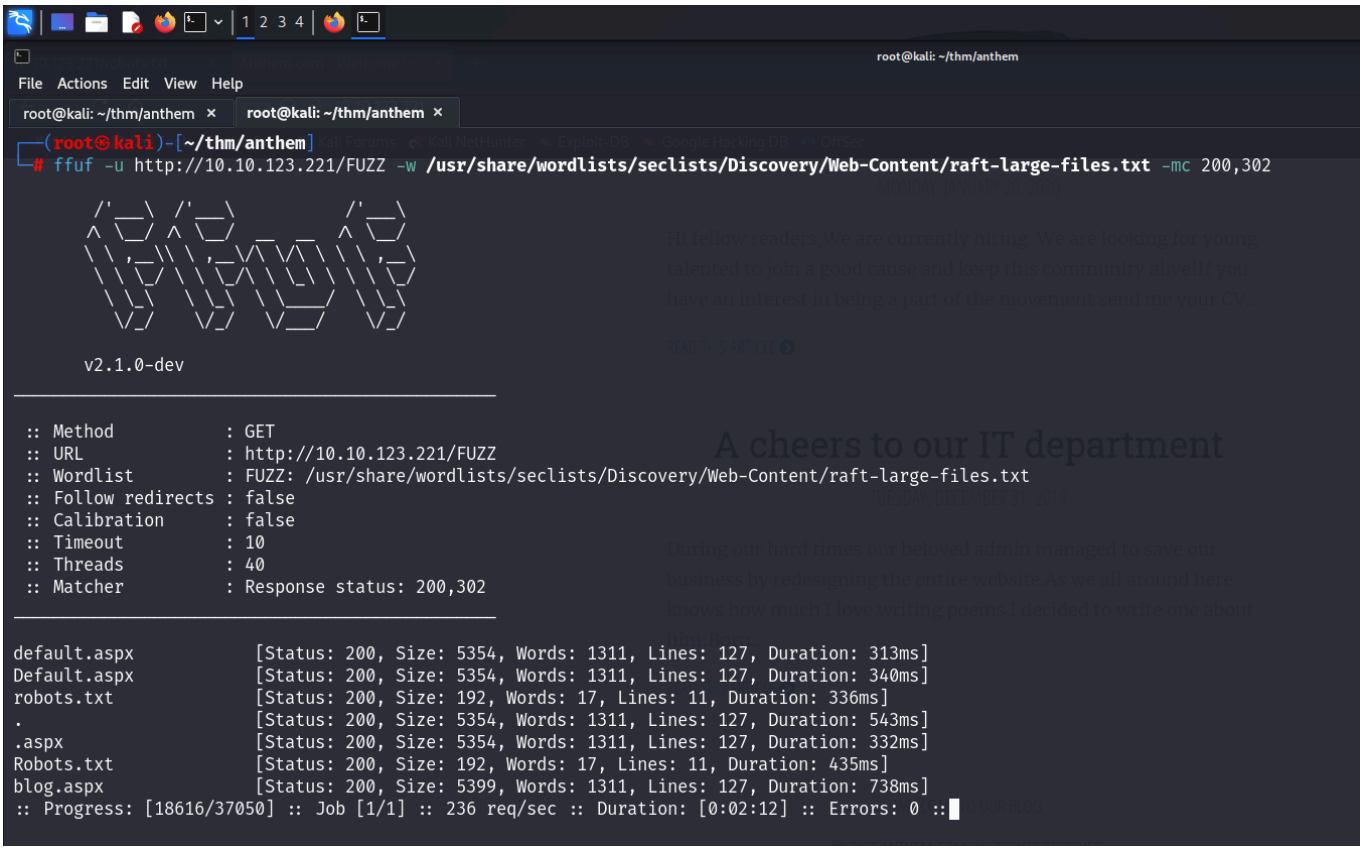
I performed an **nmap** aggressive scan to find open ports and the services running on them. It also ran default scripts on the services found.

FOOTHOLD

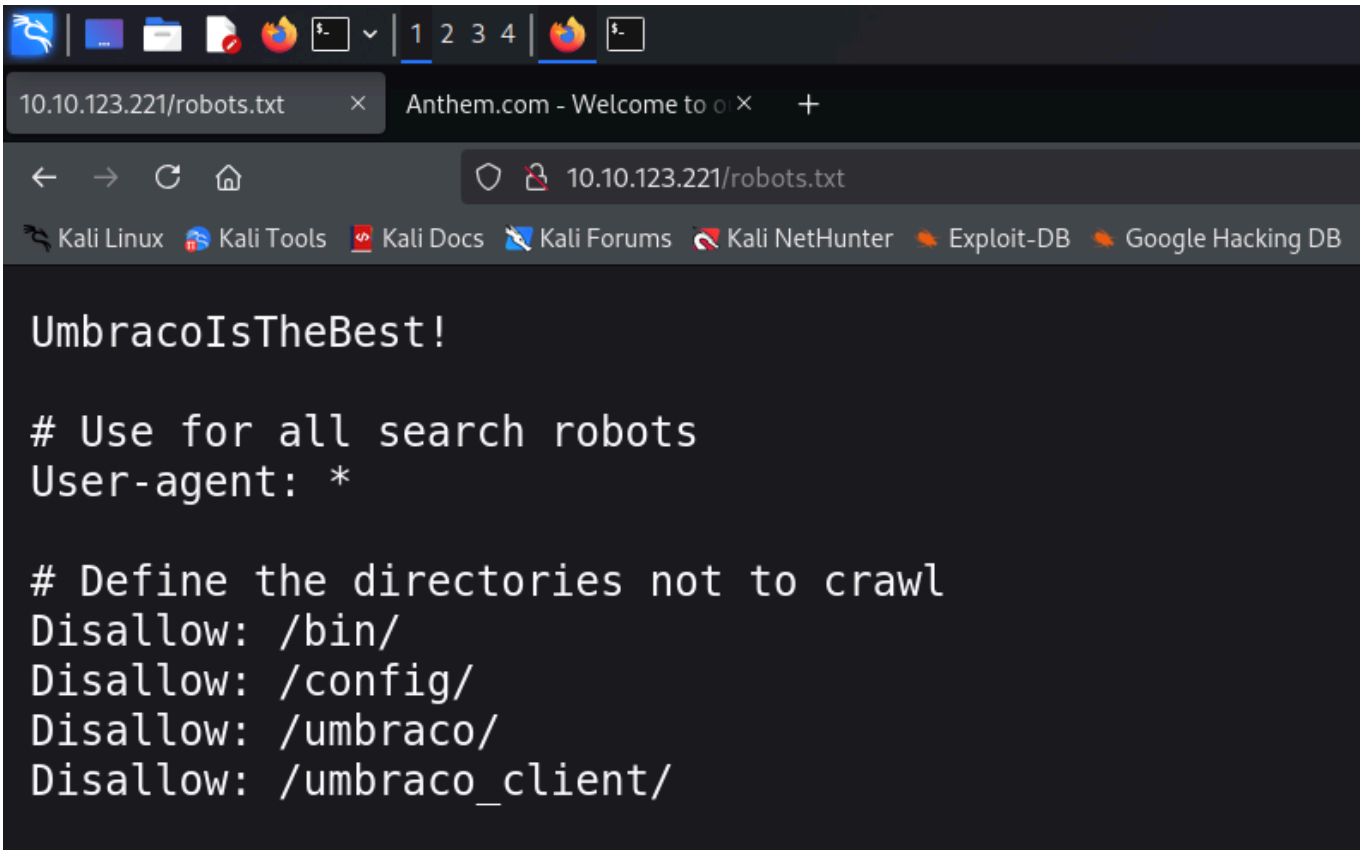
The **nmap** scan revealed an **http** server running on the target. So I accessed it from my browser.



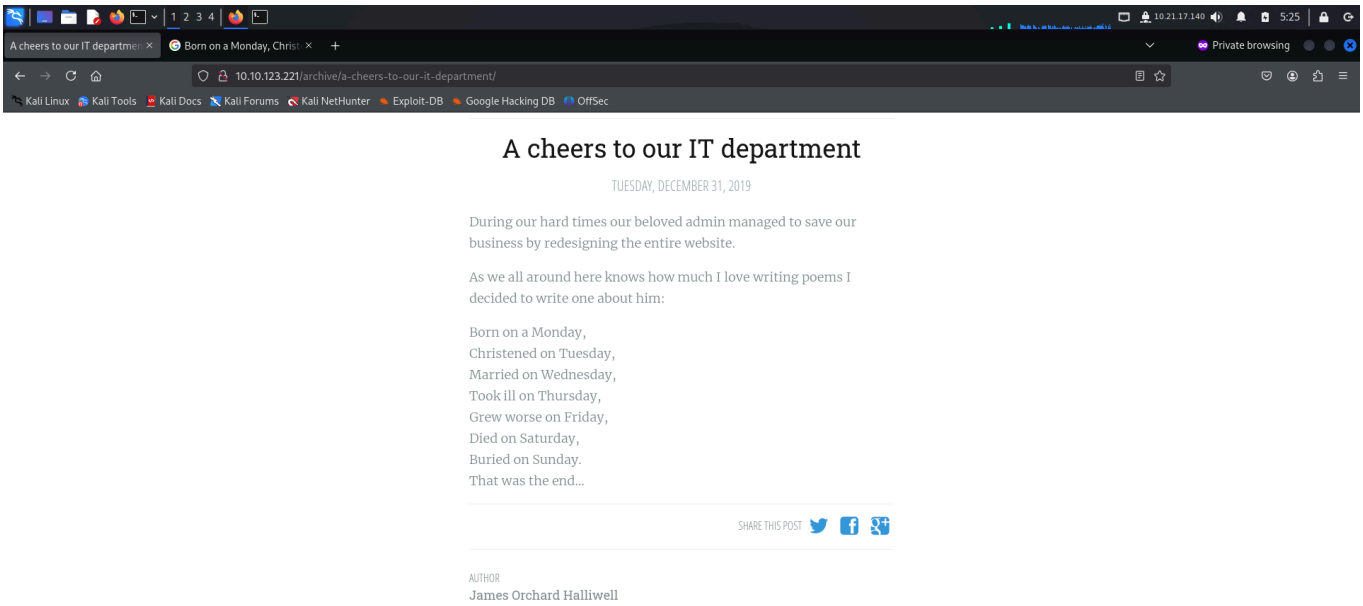
I used **ffuf** to bruteforce hidden files on the web app.

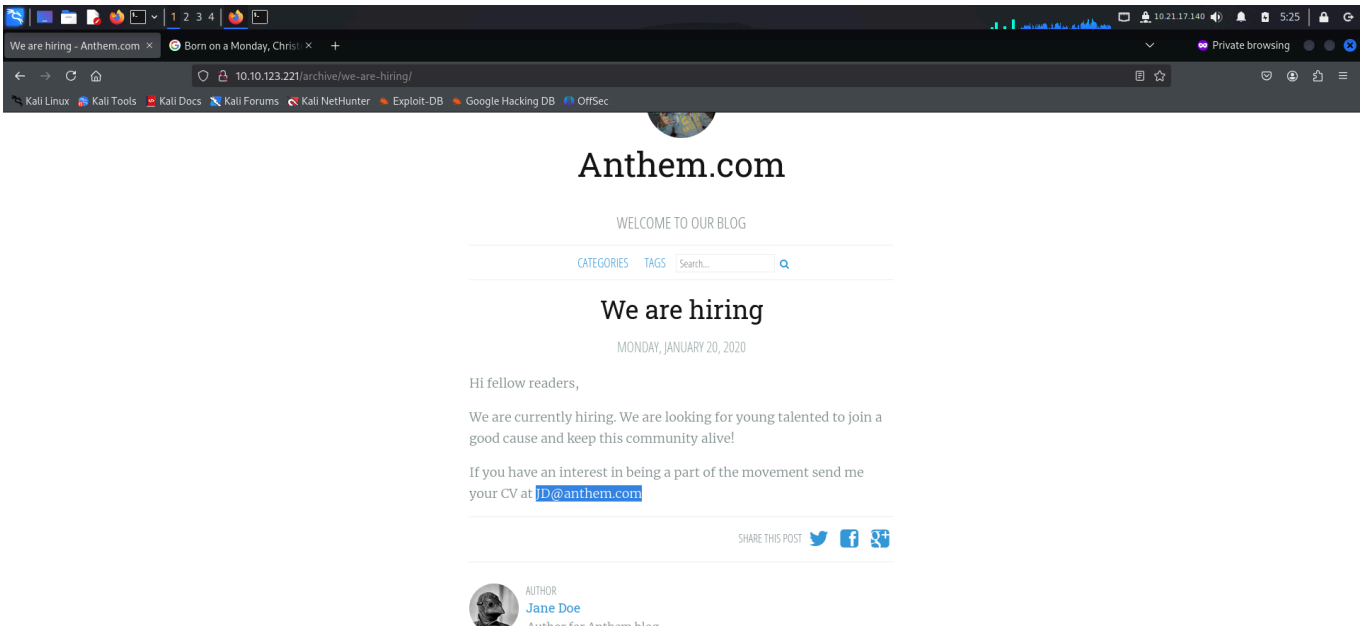


The *robots.txt* file usually contains sensitive endpoints. So I accessed it and found a string. I saved the string as it could be used in the future.

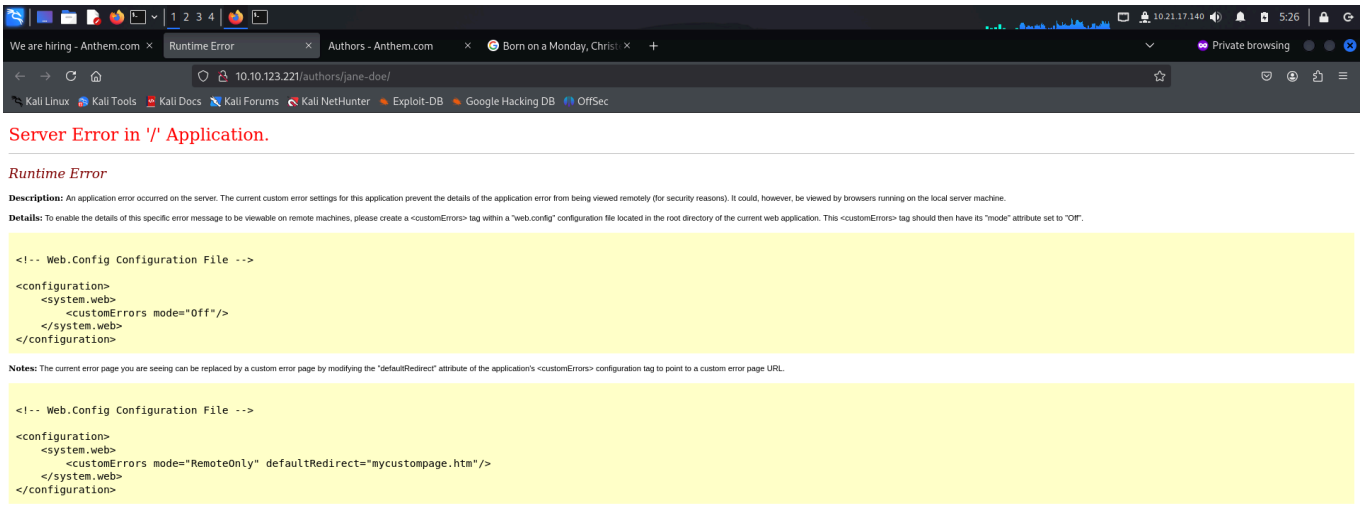


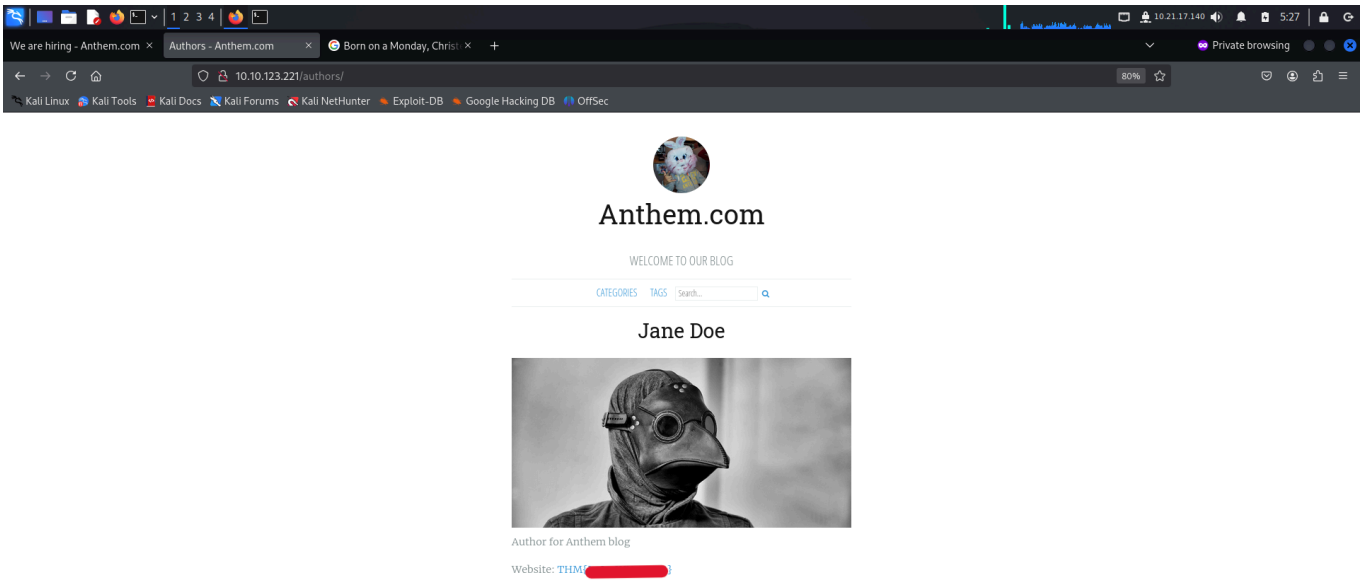
I continued analyzing the application and found an email address.



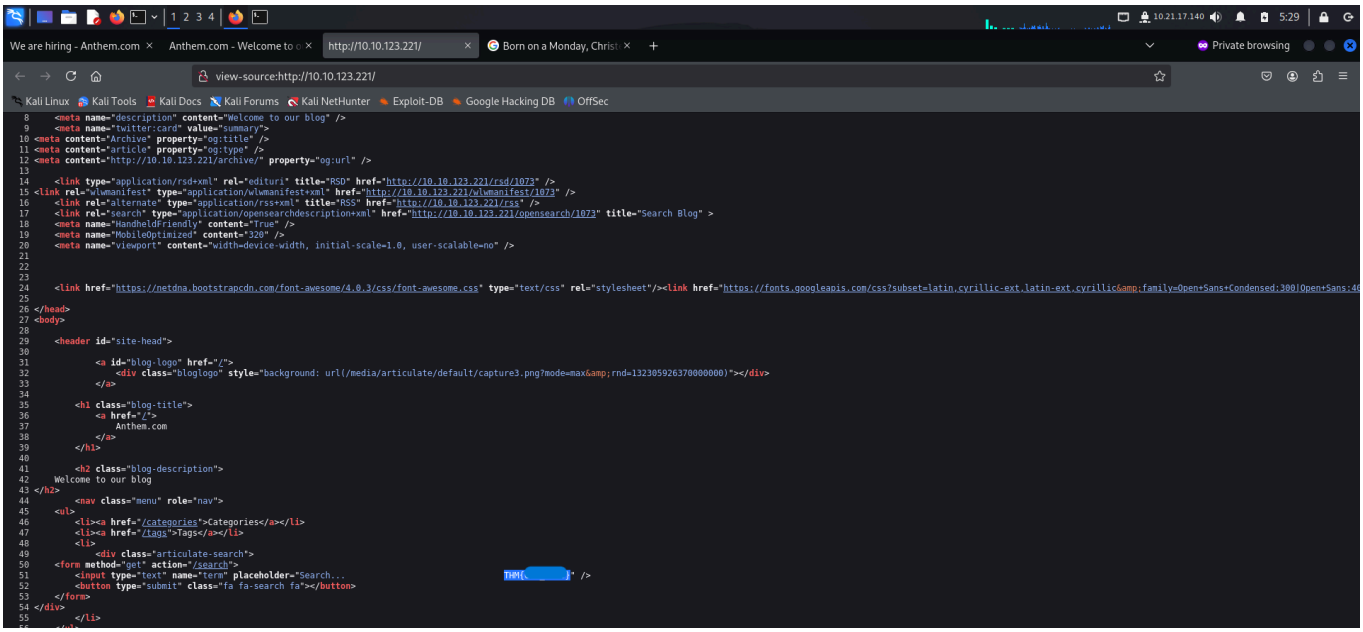


When I tried accessing the page of a specific author, I received an error. So I accessed the *authors* page and discovered the first flag.

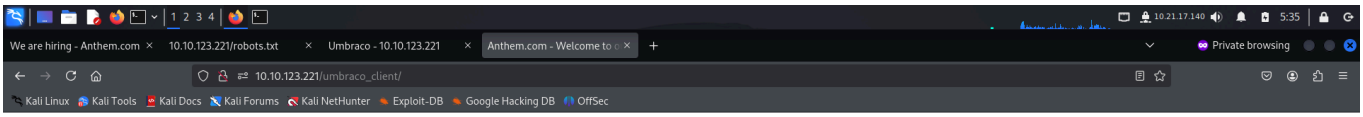


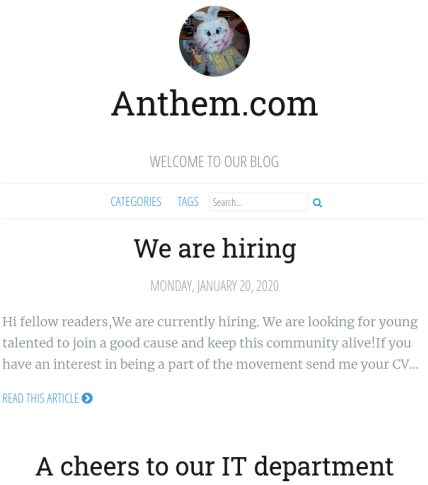


The reviewed the source code of my home page and found another flag.

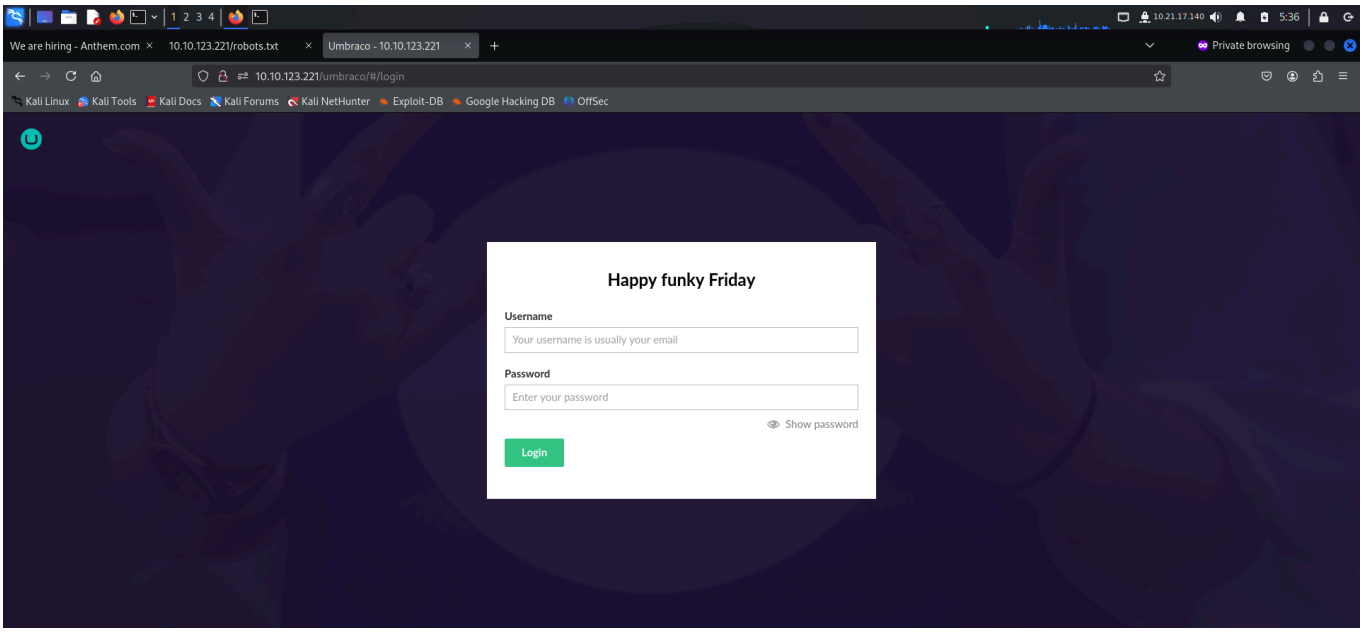


I visited the rest of the endpoints that I had discovered from robots.txt and **ffuf** scan.

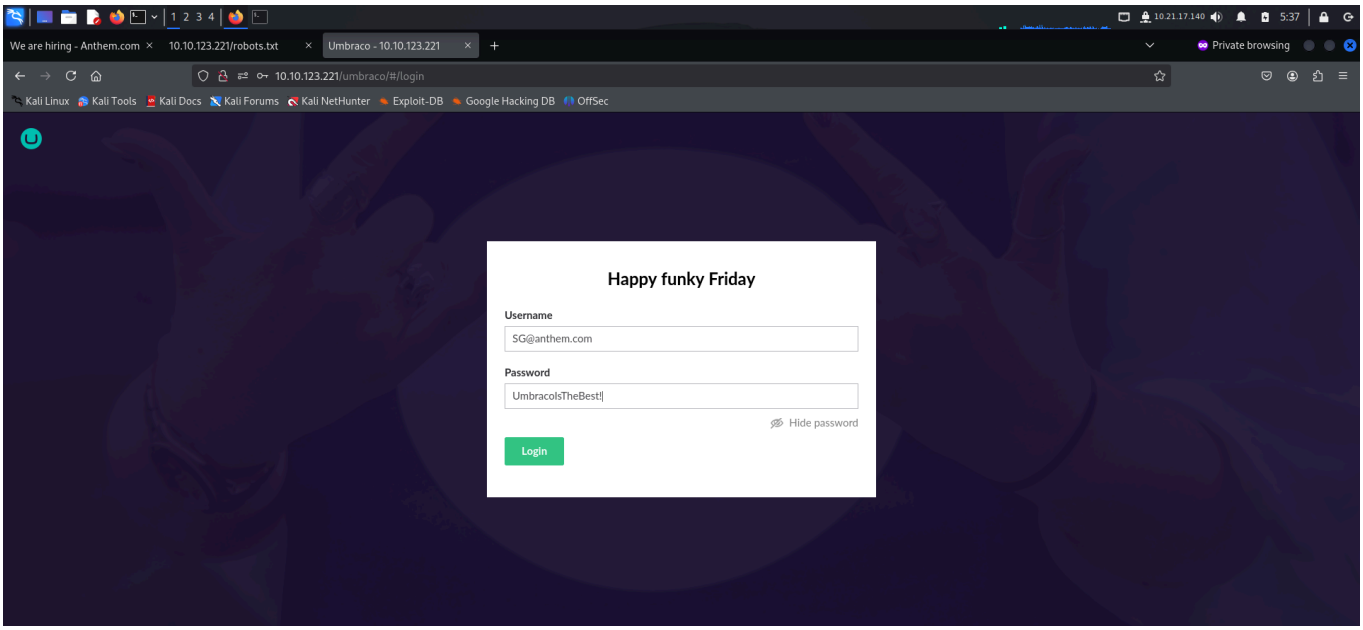




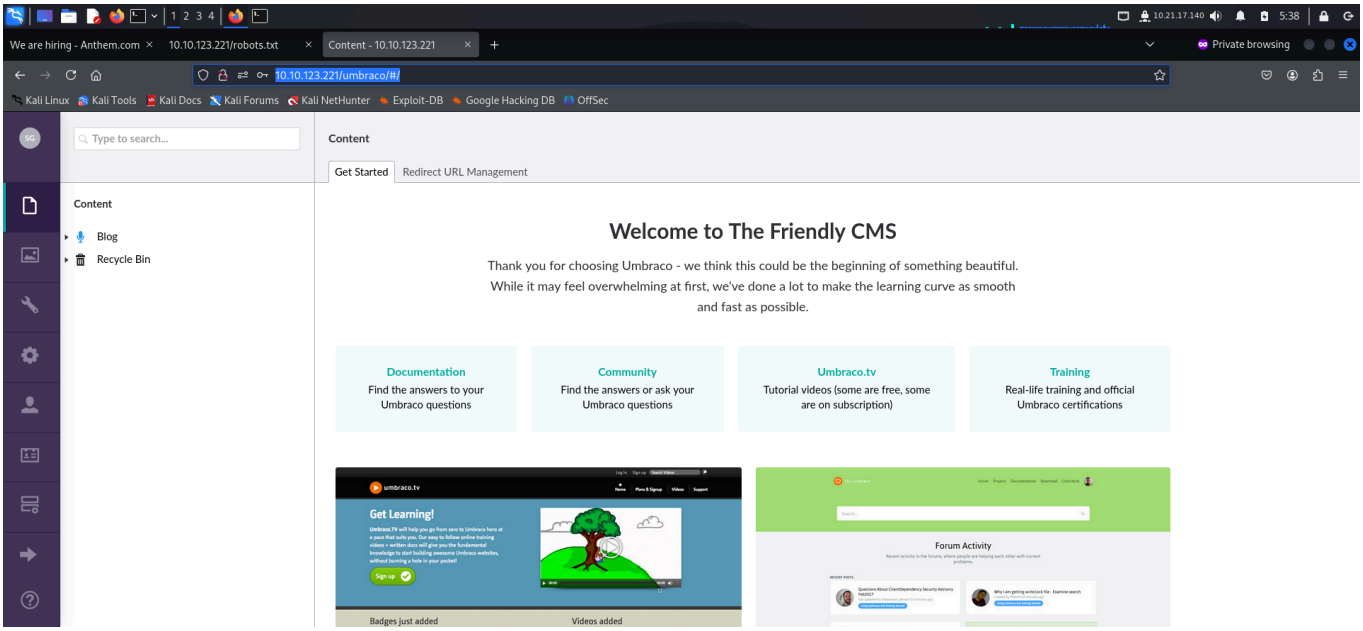
I found a login panel at the *umbraco* endpoint.



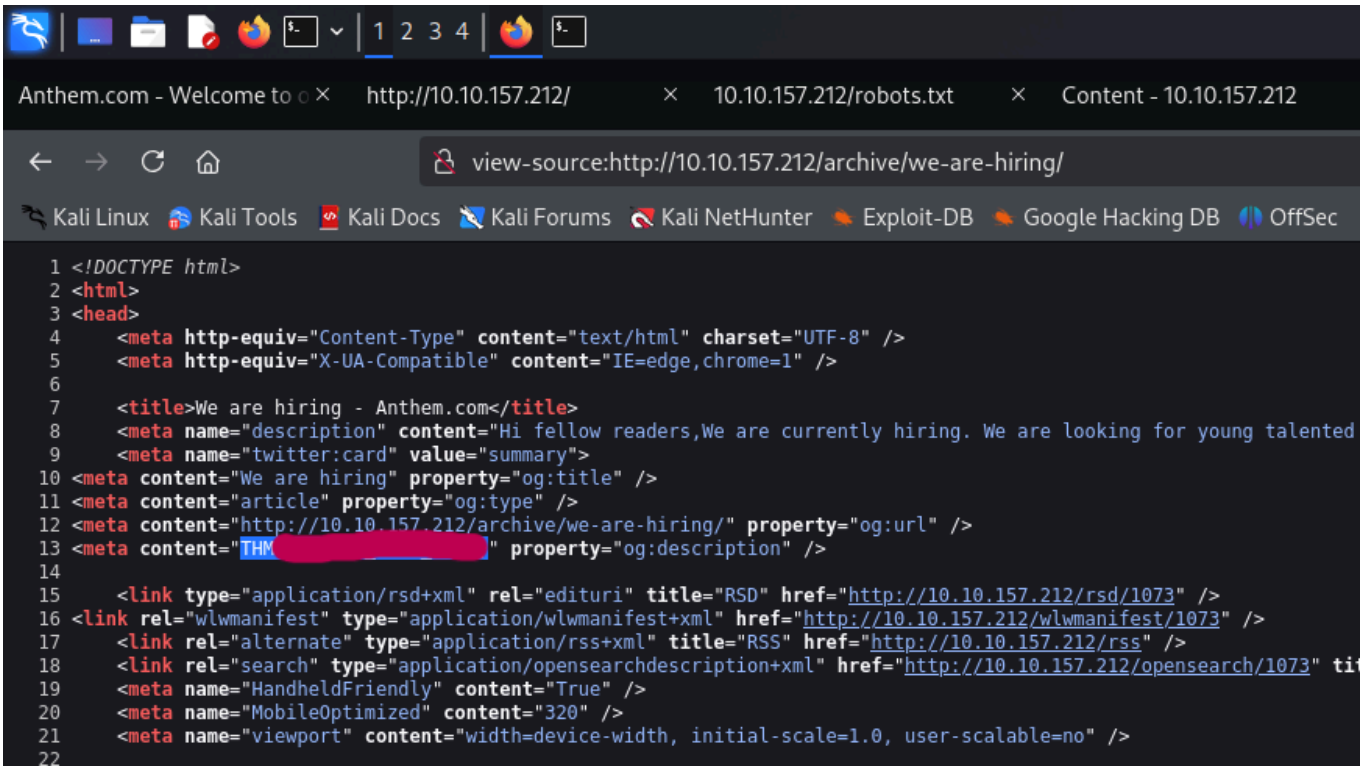
I was able to log in using the email id I found on the web page and using the string from *robots.txt* as password.



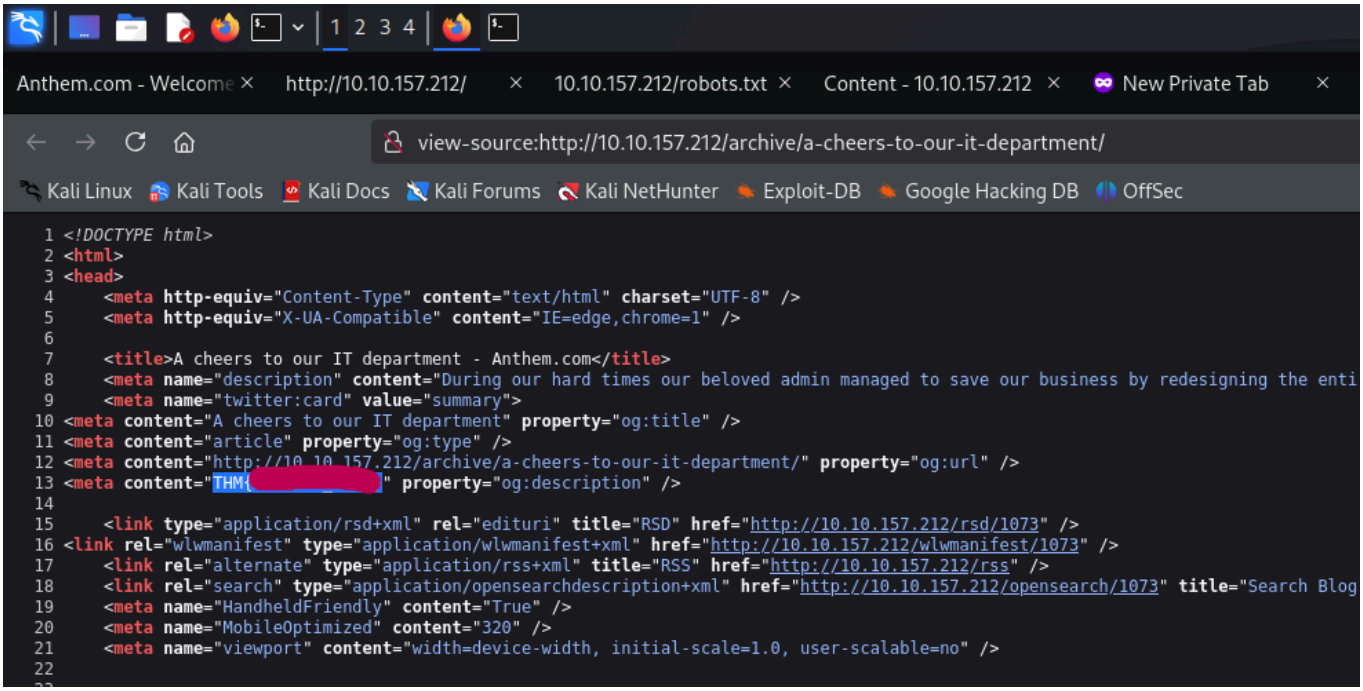
Hence, I got access to a CMS admin panel.



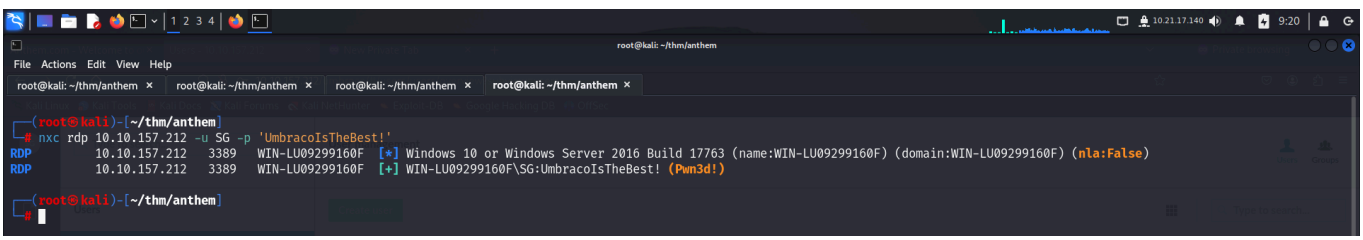
I viewed the source code and got another flag.



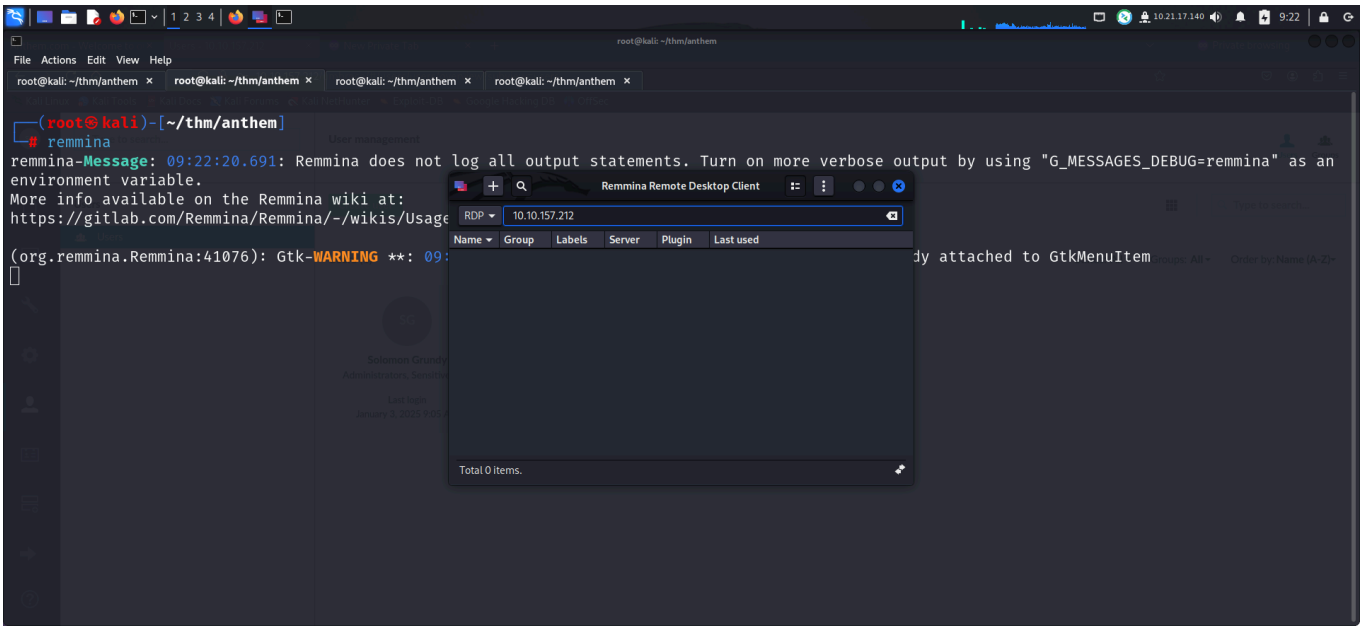
I viewed the source code of other pages from here and found another flag.

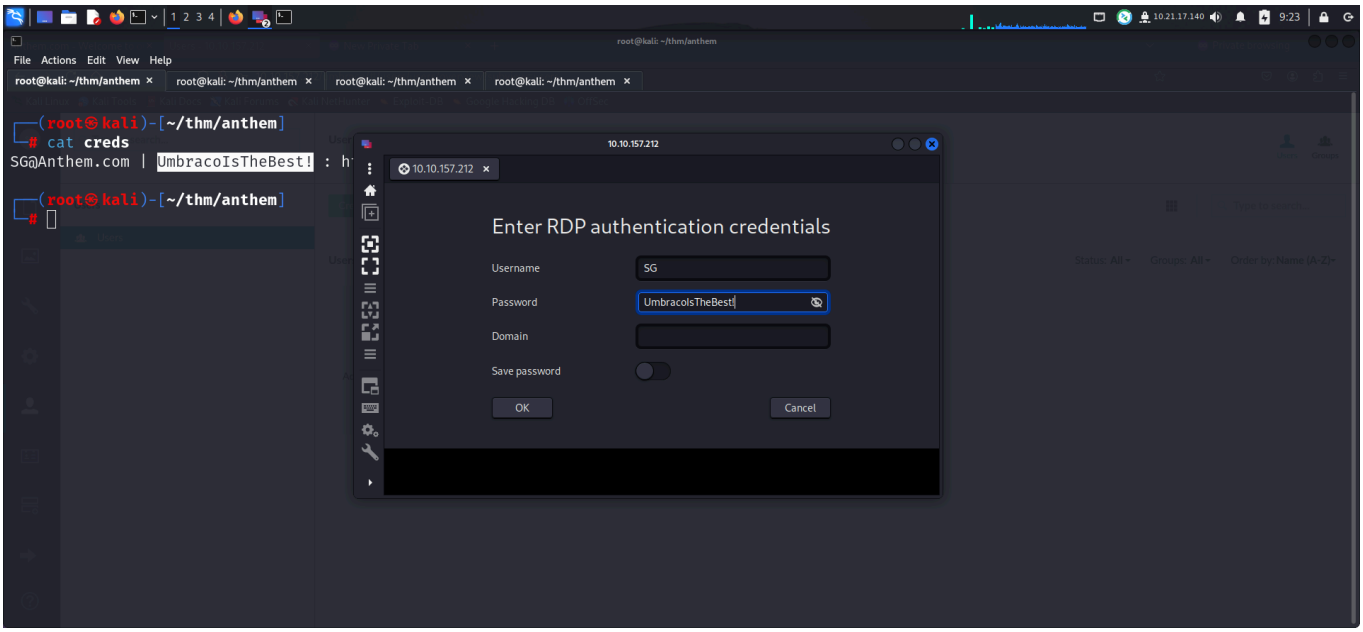


I checked if the credentials I used on the web app could be used to get **rdp** access using **nxc**.

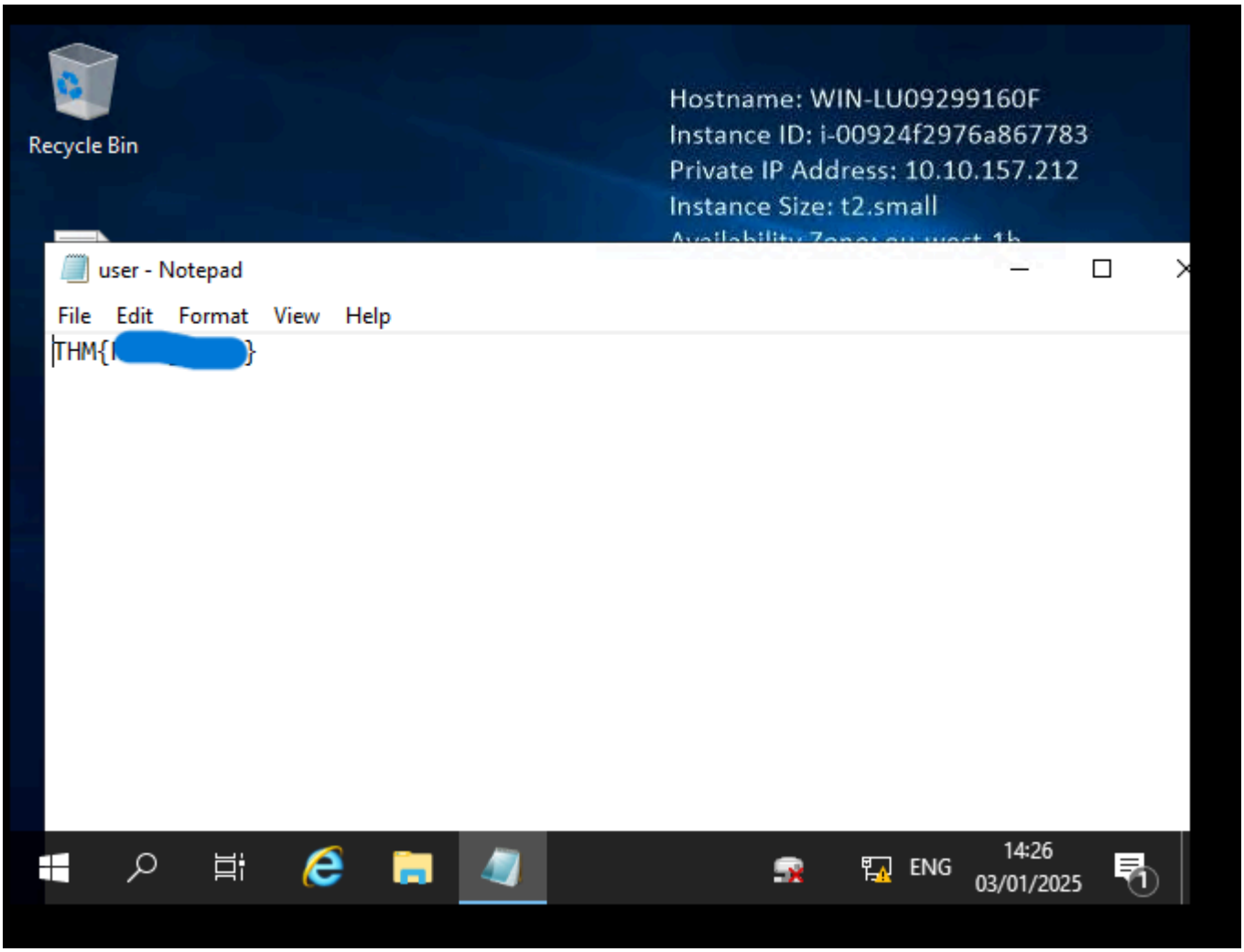


Since I had the valid credentials, I got **rdp** access on the target.



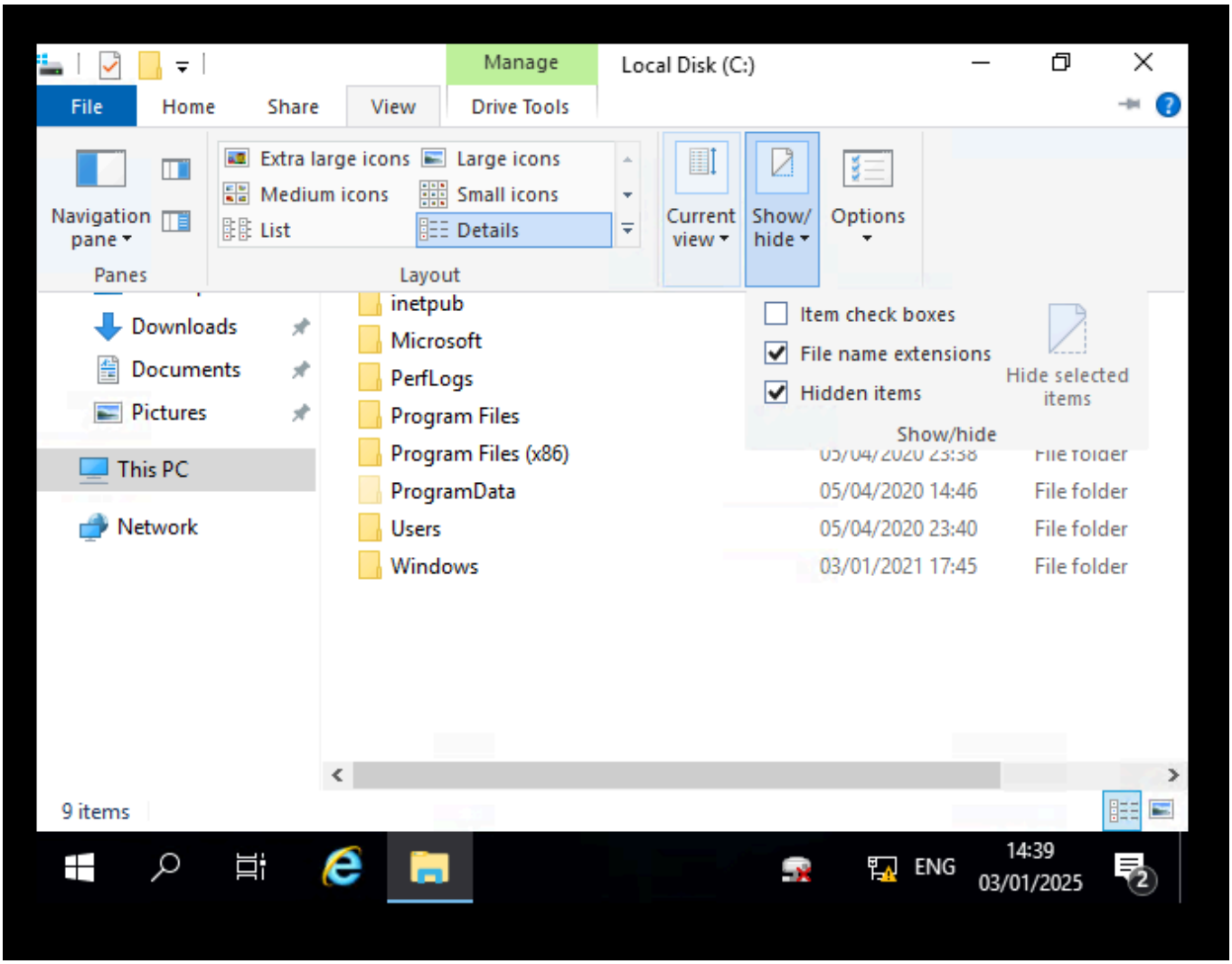


I captured the user flag from the user's desktop.

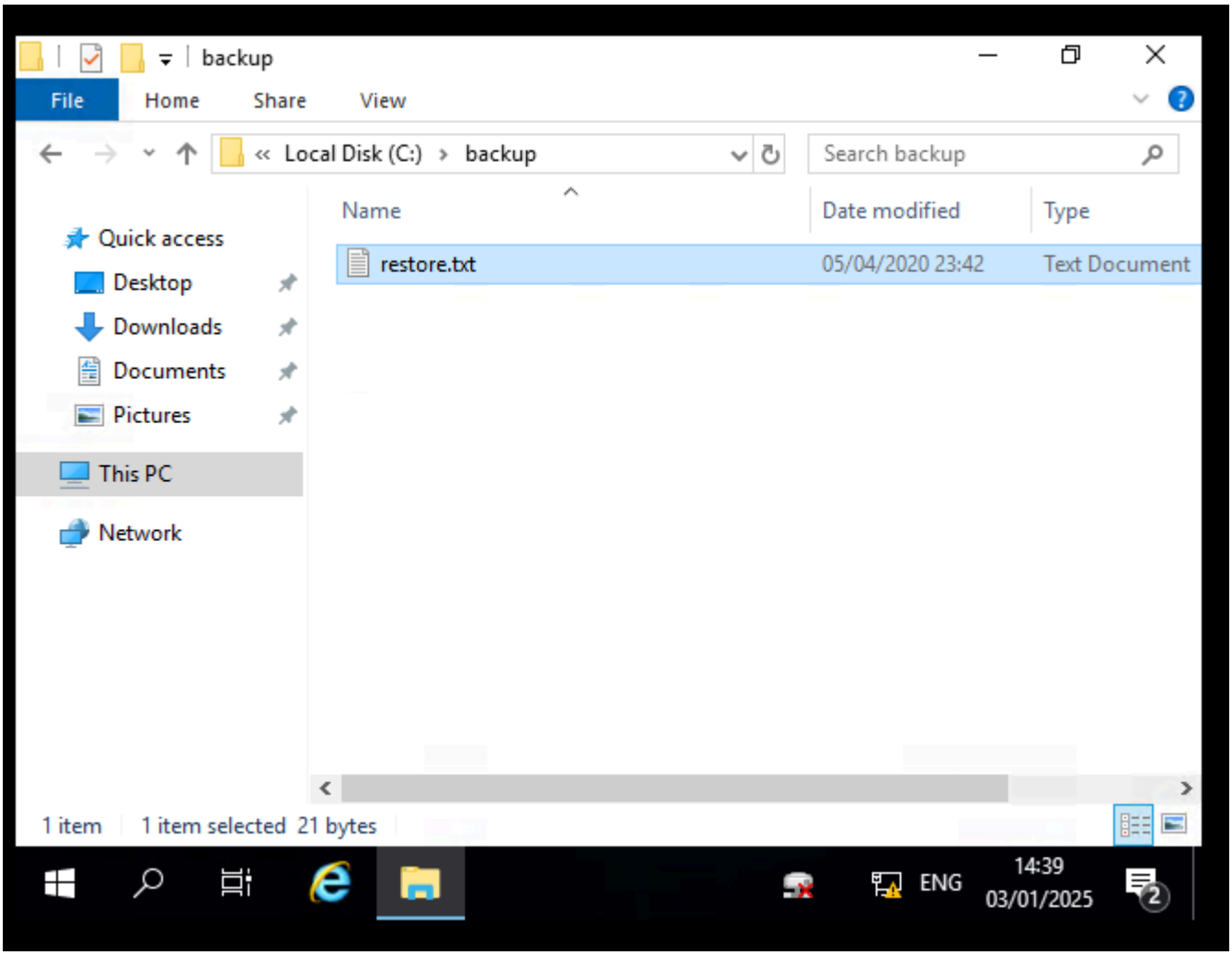


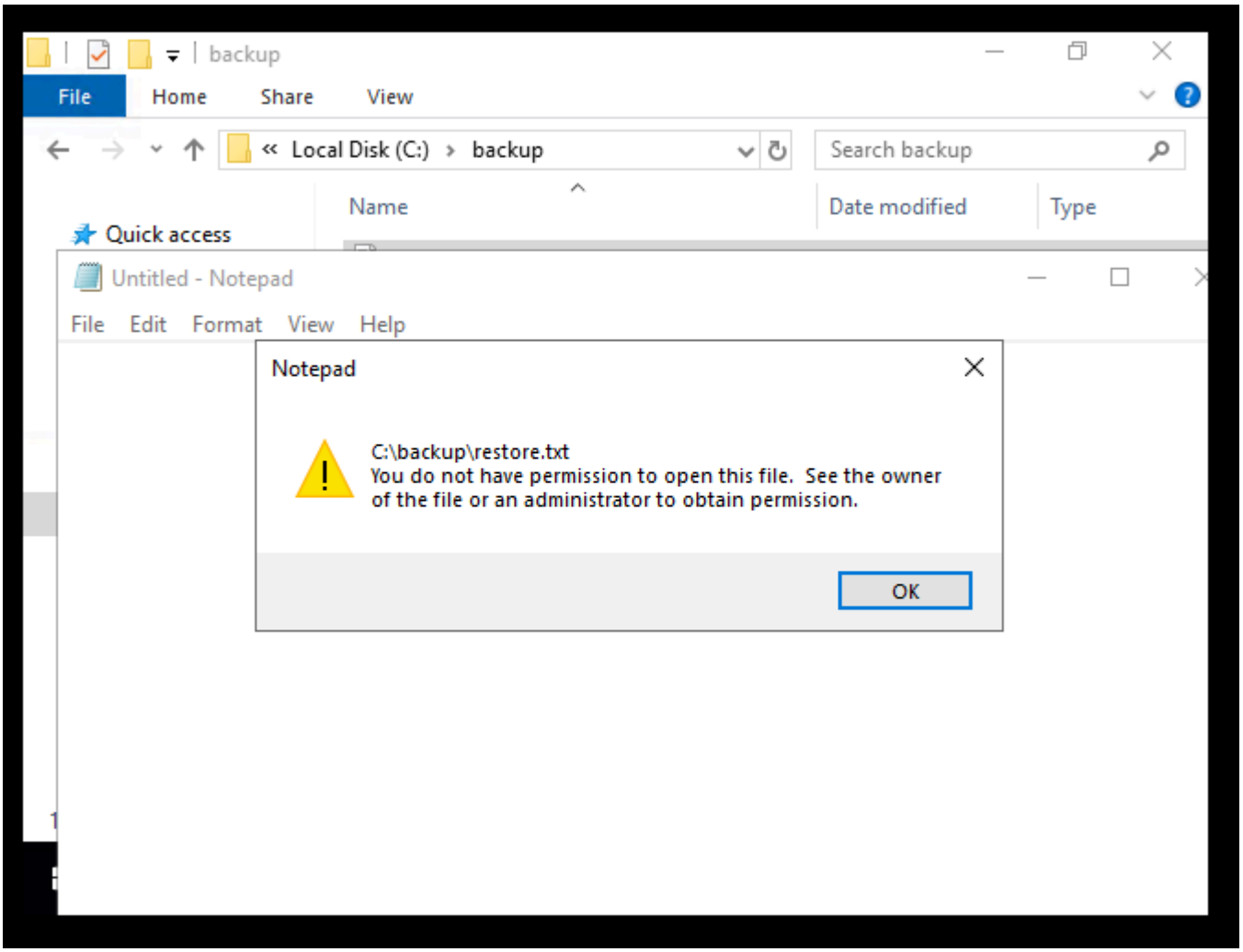
PRIVILEGE ESCALATION

I looked at the folders and files present (including hidden files) and found a backup folder inside the C drive.

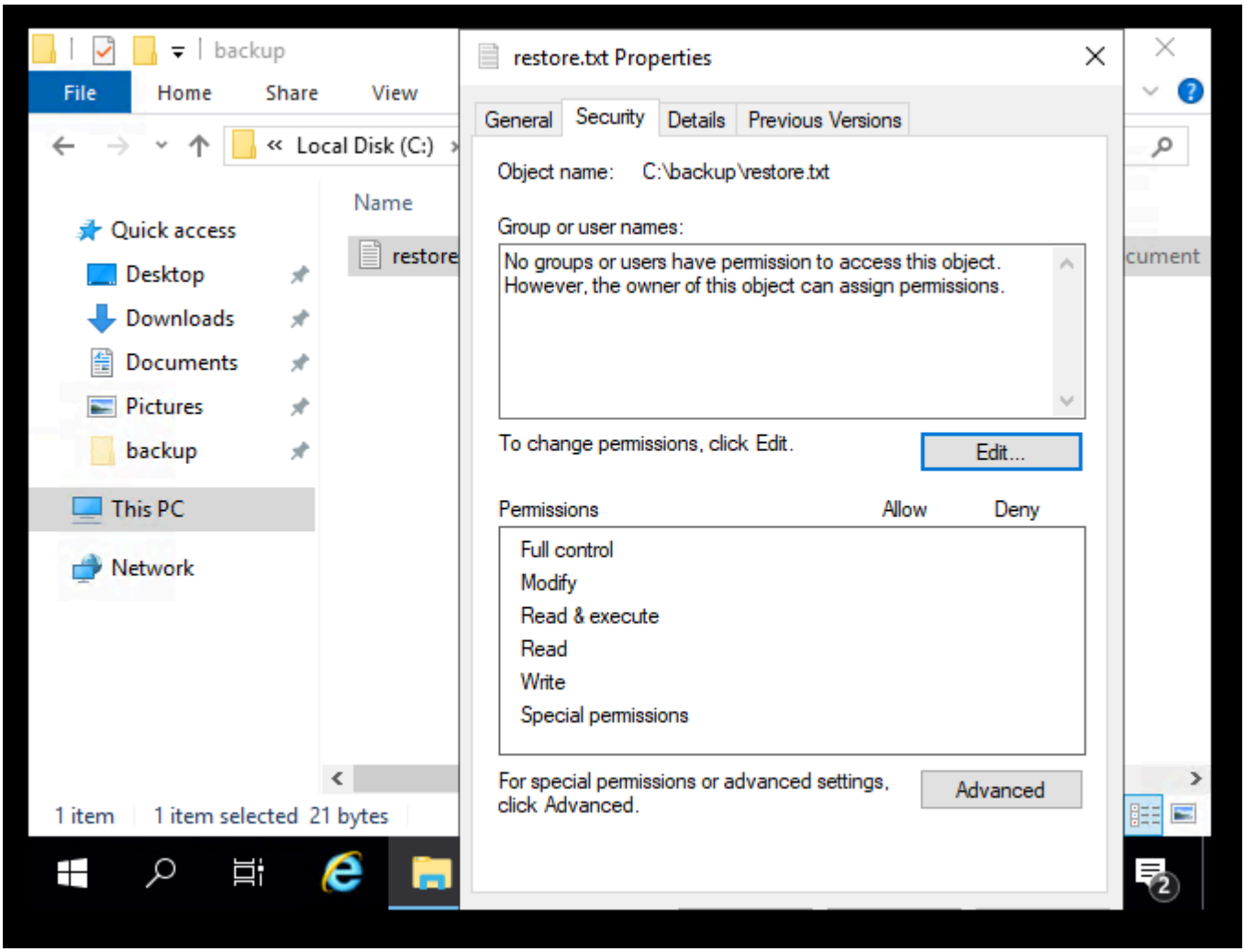


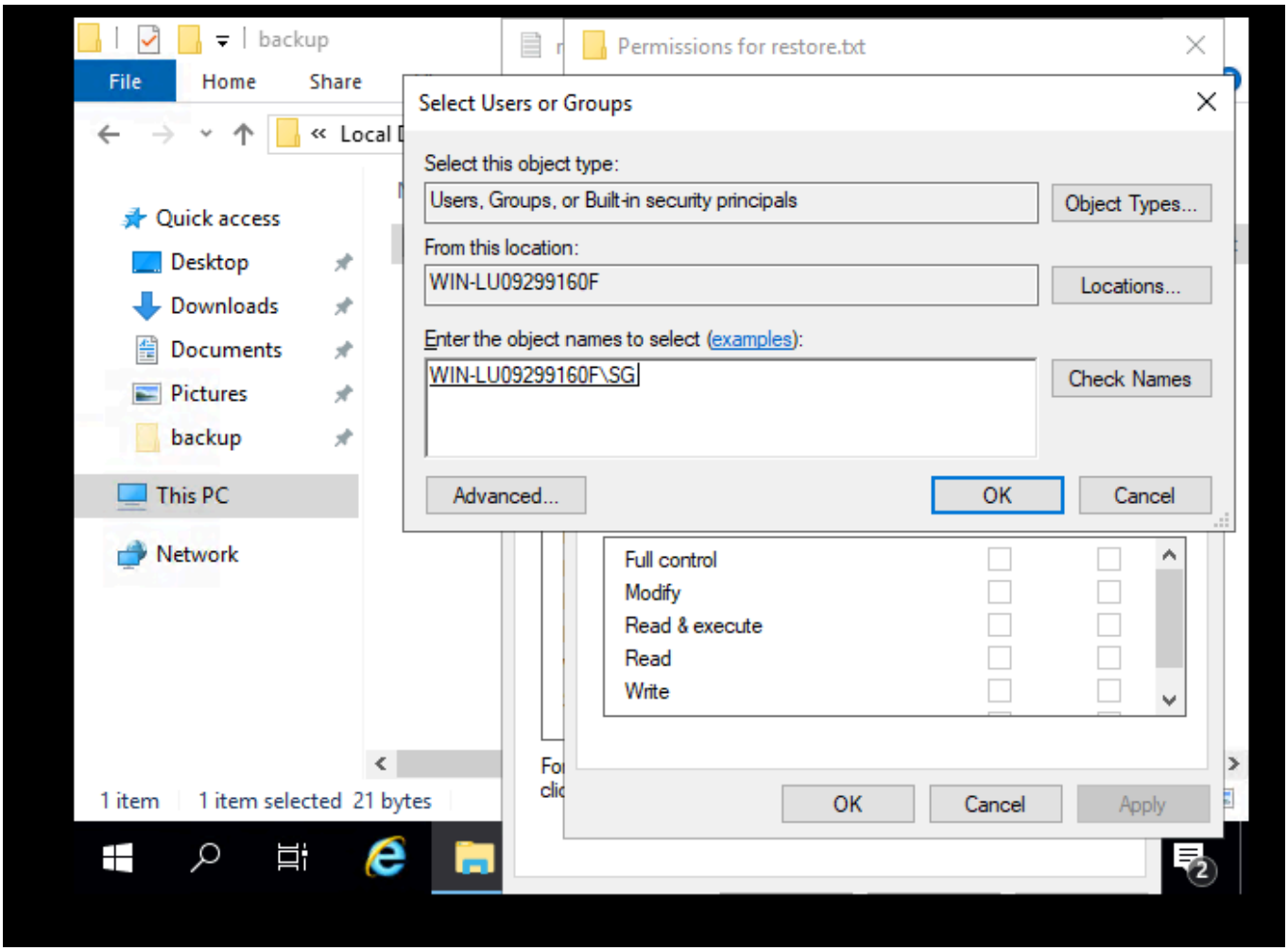
This folder contained a file called *restore.txt* that I could not access.

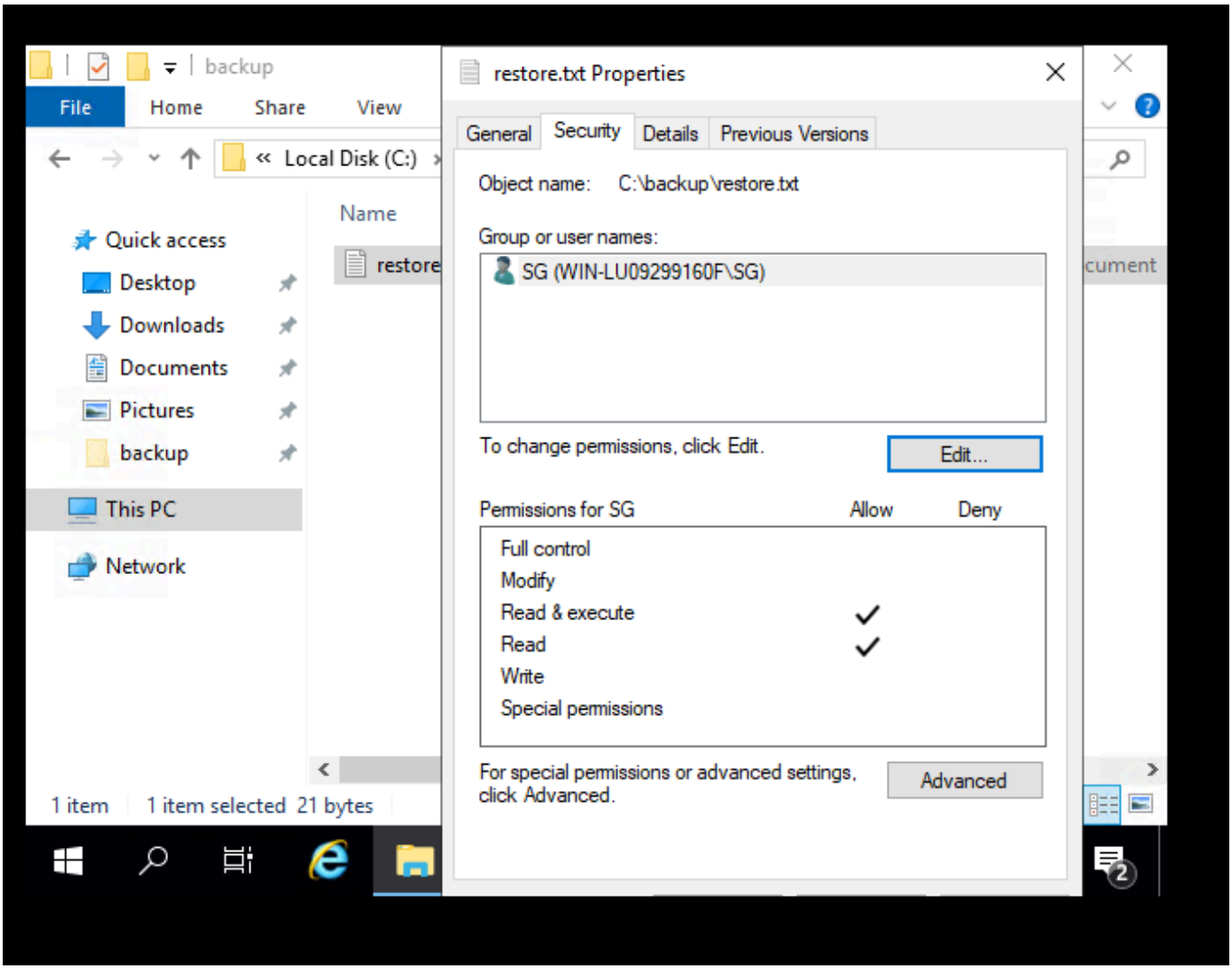

backup
File
Home
Share
View
Local Disk (C:) › backup
Search backup
Quick access
Desktop
Downloads
Documents
Pictures
This PC
Network
Name
Date modified
Type
restore.txt
05/04/2020 23:42
Text Document
1 item
1 item selected 21 bytes
ENG
14:39
03/01/2025
2



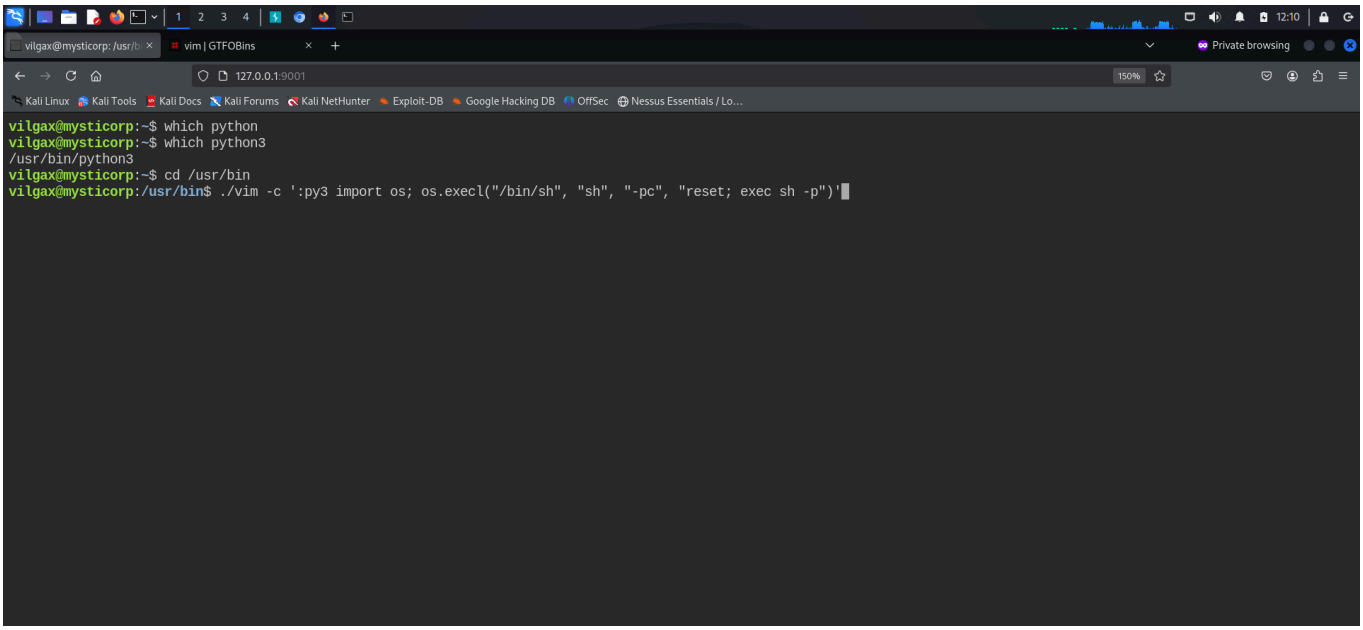
Hence, I modified the file's properties to allow the machine account to read the file.

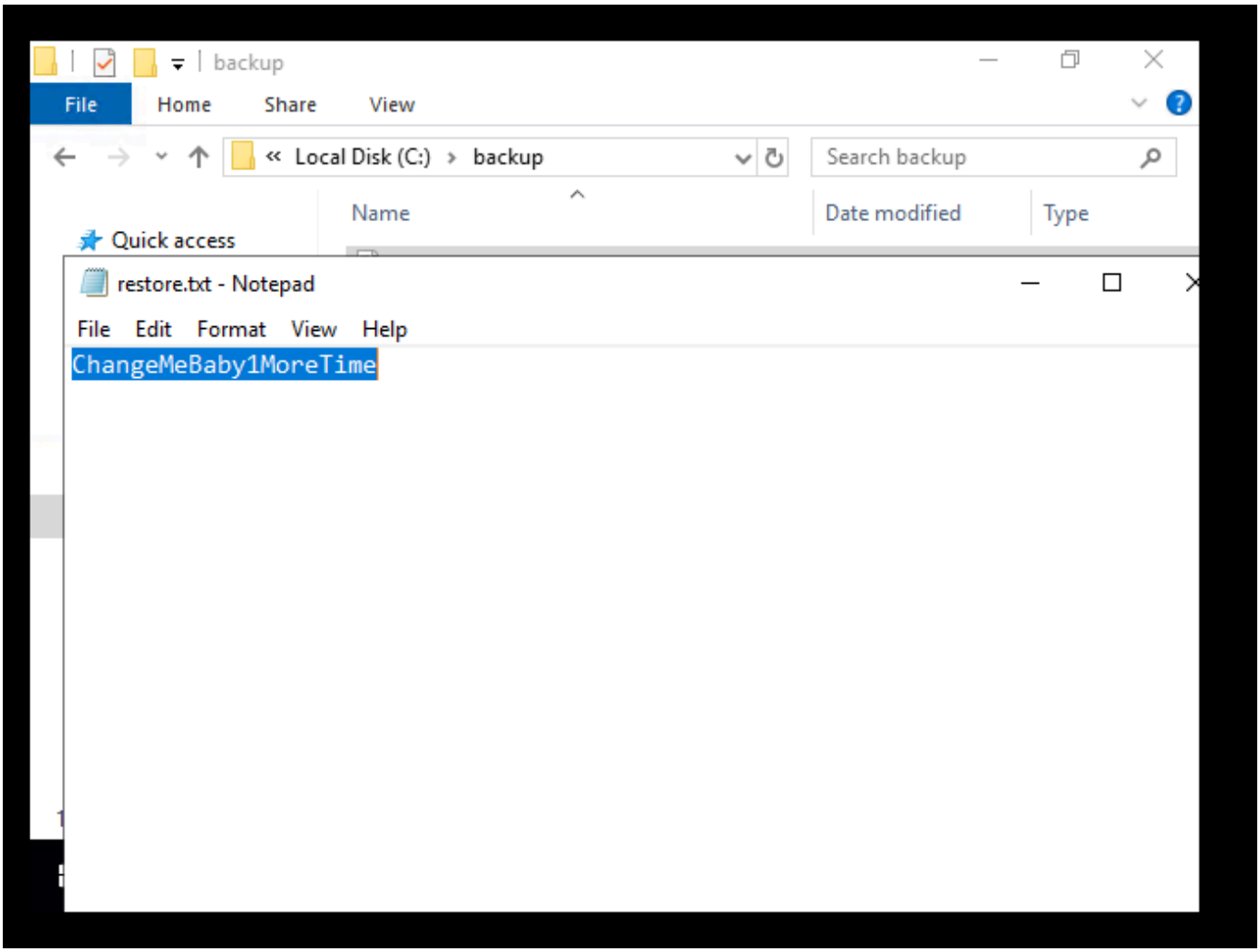

backup
File
Home
Share
View
« Local Disk (C:)
Quick access
Desktop
Downloads
Documents
Pictures
backup
This PC
Network
Name
restore
1 item
1 item selected 21 bytes
restore.txt Properties
General
Security
Details
Previous Versions
Object name: C:\backup\restore.txt
Group or user names:
No groups or users have permission to access this object.
However, the owner of this object can assign permissions.
To change permissions, click Edit.
Edit...
Permissions
Allow
Deny
Full control
Modify
Read & execute
Read
Write
Special permissions
For special permissions or advanced settings, click Advanced.
Advanced

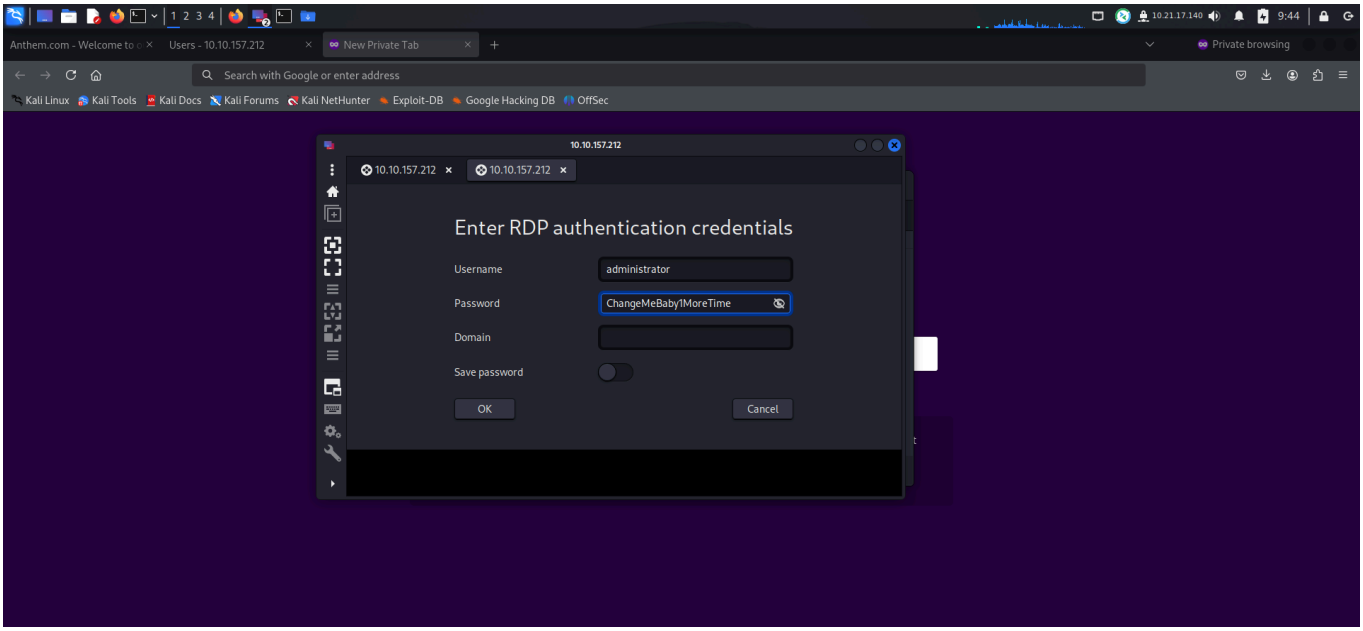

backup
File
Home
Share
Quick access
Desktop
Downloads
Documents
Pictures
backup
This PC
Network
1 item
1 item selected 21 bytes
Permissions for restore.txt
Select Users or Groups
Select this object type:
Users, Groups, or Built-in security principals
Object Types...
From this location:
WIN-LU09299160F
Locations...
Enter the object names to select (examples):
WIN-LU09299160F\SG
Check Names
Advanced...
OK
Cancel
Full control
Modify
Read & execute
Read
Write
OK
Cancel
Apply



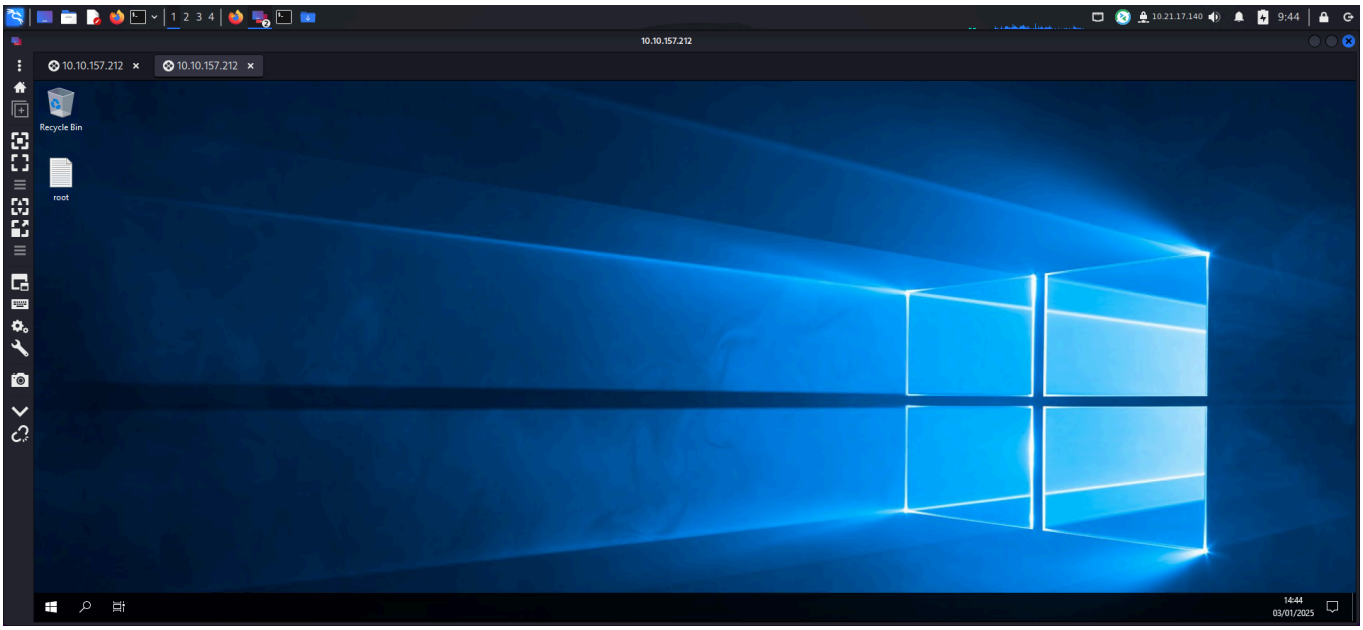
Finally I read the file and found a string. This string could be another password so I tried using it to log in as administrator.

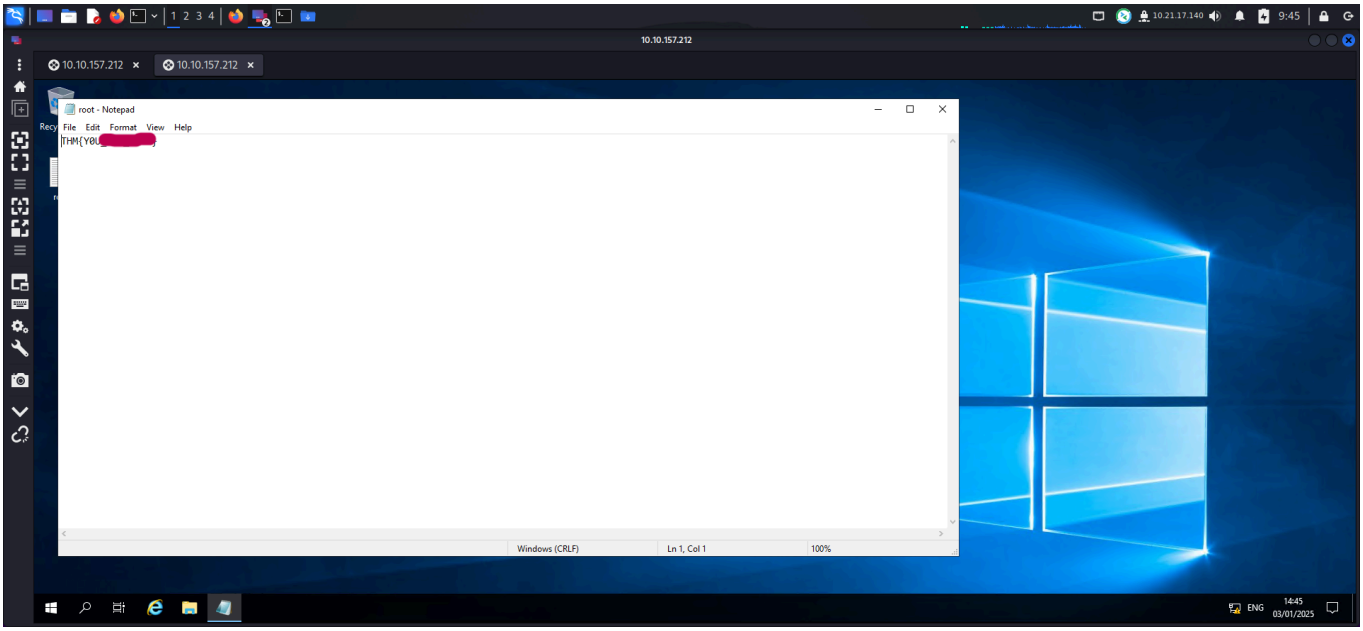






After logging in as administrator, I captured the final flag from desktop.





That's it from my side !
Happy hacking :)