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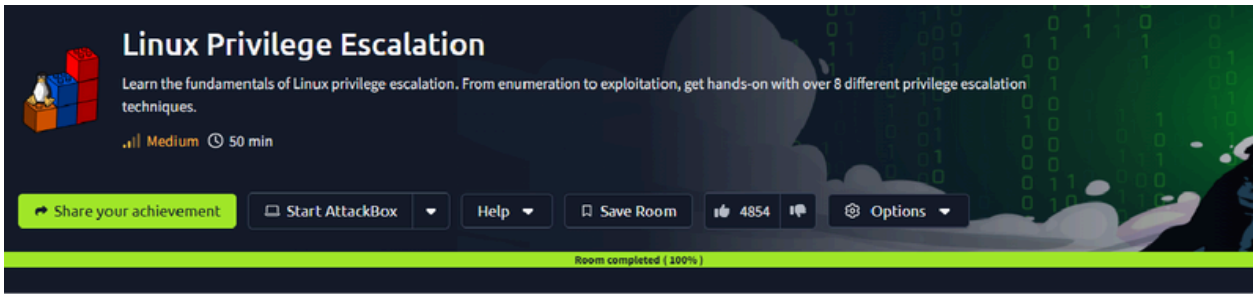
EXERCISE 6

Demonstrate Linux Privilege Escalation

Aim: To understand and exploit stack-based buffer overflows by overwriting memory beyond a buffer's limit.



Complete the task described above on the target system

No answer needed ✓ Correct Answer

How many binaries have set capabilities?

6 ✓ Correct Answer

What other binary can be used through its capabilities?

view ✓ Correct Answer

What is the content of the flag4.txt file?

THM-9349843 ✓ Correct Answer

How many user-defined cron jobs can you see on the target system?

4 ✓ Correct Answer

What is the content of the flag5.txt file?

THM-383000283 ✓ Correct Answer

What is Matt's password?

123456 ✓ Correct Answer

What is the odd folder you have write access for?

/home/murdoch ✓ Correct Answer Hint

Exploit the $PATH vulnerability to read the content of the flag6.txt file.

No answer needed ✓ Correct Answer Hint

What is the content of the flag6.txt file?

THM-736628929 ✓ Correct Answer

How many mountable shares can you identify on the target system?

3 ✓ Correct Answer

How many shares have the "no_root_squash" option enabled?

3 ✓ Correct Answer

Gain a root shell on the target system

No answer needed ✓ Correct Answer

What is the content of the flag7.txt file?

THM-89384012 ✓ Correct Answer

What is the content of the flag1.txt file?

THM-42828719920544 ✓ Correct Answer

What is the content of the flag2.txt file?

THM-168824782390238 ✓ Correct Answer

Result: Successfully exploited the buffer overflow to overwrite the return address and redirect program execution.