EX.NO: 5 Stack based buffer overflow attacks ROLL NO : 231901058

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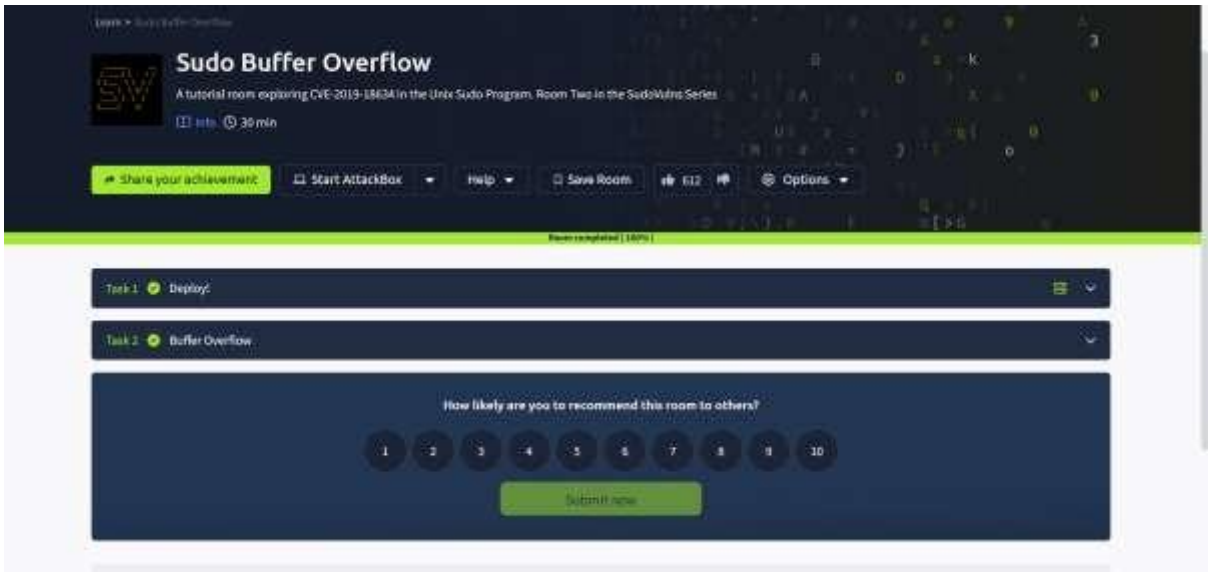
AIM:

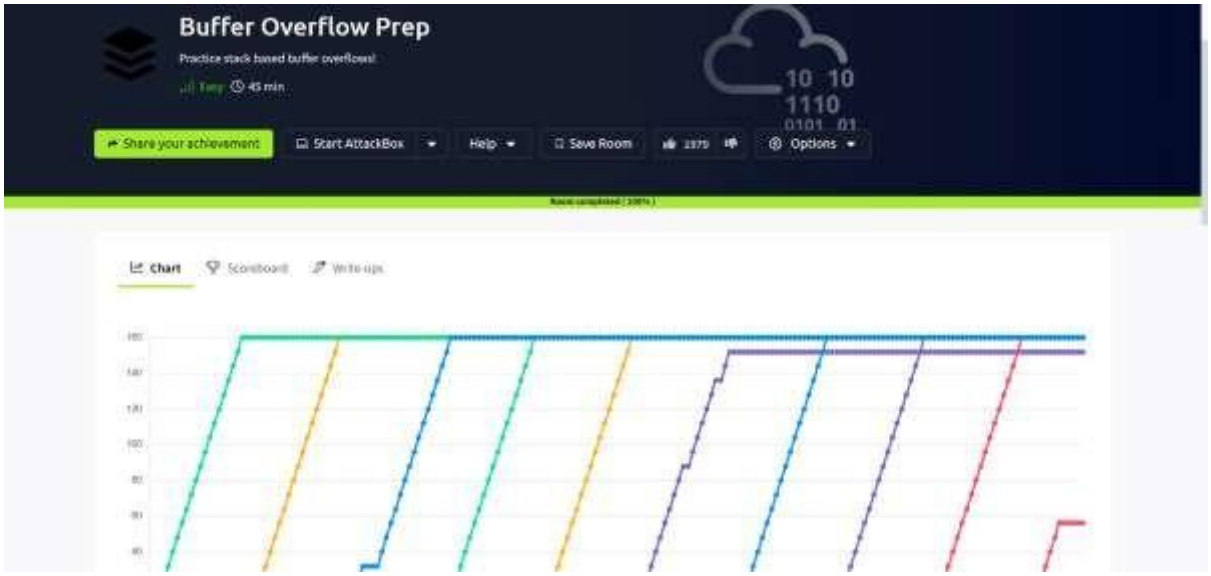
Sudo Buffer Overflow

Exploring CVE-2019-18634 in the Unix sudo program. Room two in the SudoVulns series

Buffer Overflow Prep

Practice stack based buffer overflows!





TASK 2 : BUFFER OVERFLOW

Use the pre-compiled exploit in the VM to get a root shell.

No answer needed ✓ Correct Answer

What's the flag in /root/root.txt?

THM{buff3r_0v3rfl0w_rul3s} ✓ Correct Answer

Buffer Overflow Prep

TASK 2 oscp.exe - OVERFLOW1

What is the EIP offset for OVERFLOW1?

1978 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW1?

\x00\x07\x2e\xa0 ✓ Correct Answer Hint

TASK 3 : oscp.exe - OVERFLOW2

What is the EIP offset for OVERFLOW2?

634 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW2?

\x00\x23\x3c\x83\xba ✓ Correct Answer

TASK 4 oscp.exe – OVERFLOW3

What is the EIP offset for OVERFLOW3?

1274 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW3?

\x00\x11\x40\x5F\xb8\xee ✓ Correct Answer

TASK 5 : oscp.exe - OVERFLOW4

What is the EIP offset for OVERFLOW4?

2026 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW4?

\x00\xa9\xcd\xd4 ✓ Correct Answer

TASK 6 : oscp.exe - OVERFLOW5

What is the EIP offset for OVERFLOW5?

314 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW5?

\x00\x16\x2f\xf4\xfd ✓ Correct Answer

TASK 7 : oscp.exe - OVERFLOW6

What is the EIP offset for OVERFLOW6?

1034 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW6?

\x00\x08\x2c\xad ✓ Correct Answer

TASK 8 : oscp.exe - OVERFLOW7

What is the EIP offset for OVERFLOW7?

1306 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW7?

\x00\x8c\xae\xbe\xfb ✓ Correct Answer

TASK 9 : oscp.exe - OVERFLOW8

What is the EIP offset for OVERFLOW8?

1786 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW8?

\x00\x1d\x2e\xc7\xee ✓ Correct Answer

TASK 10 : oscp.exe - OVERFLOW9

What is the EIP offset for OVERFLOW9?

1514 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW9?

\x00\x04\x3e\x3f\xe1 ✓ Correct Answer

TASK 11 : oscp.exe - OVERFLOW10

What is the EIP offset for OVERFLOW10?

537 ✓ Correct Answer

In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW10?

\x00\xa0\xad\xbe\xde\xef ✓ Correct Answer

CONCLUSION:

Tryhackme platform Stack based buffer overflow attacks task is successfully completed.