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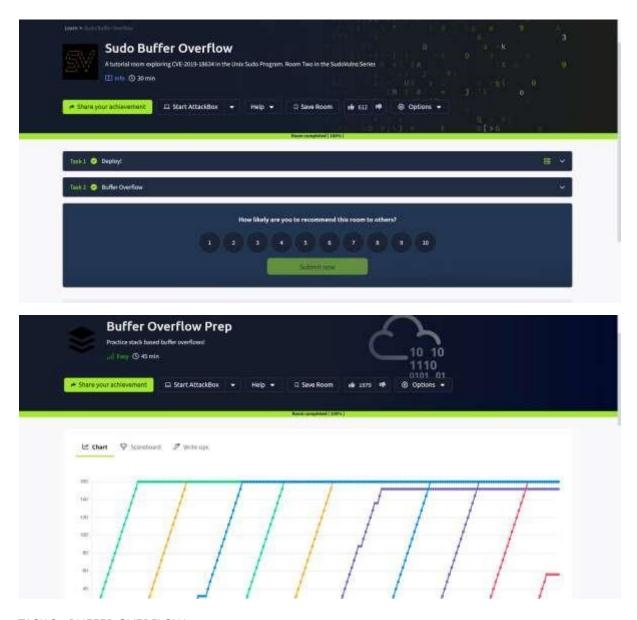
AIM:

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? ✓ Correct Answer THM{buff3r\_0v3rfl0w\_rul3s} **Buffer Overflow Prep** TASK 2 oscp.exe - OVERFLOW1 What is the EIP offset for OVERFLOW1? ✓ Correct Answer 1978 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? ✓ Correct Answer 634 In byte order (e.g.  $\x00\x01\x02$ ) and including the null byte  $\x00$ , what were the badchars for OVERFLOW2?

✓ Correct Answer

\x00\x23\x3c\x83\xba

What is the EIP offset for OVERFLOW3? ✓ Correct Answer 1274 In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW3? ✓ Correct Answer  $x00\x11\x40\x5F\xb8\xee$ TASK 5 : oscp.exe - OVERFLOW4 What is the EIP offset for OVERFLOW4? ✓ Correct Answer 2026 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? ✓ Correct Answer 314 In byte order (e.g.  $\x00\x01\x02$ ) and including the null byte  $\x00$ , what were the badchars for **OVERFLOW5?** ✓ Correct Answer  $x00\x16\x2f\xf4\xfd$ TASK 7: oscp.exe - OVERFLOW6 What is the EIP offset for OVERFLOW6?

✓ Correct Answer

✓ Correct Answer

\x00\x08\x2c\xad

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

TASK 8: oscp.exe - OVERFLOW7

1034

OVERFLOW6?

What is the EIP offset for OVERFLOW7? ✓ Correct Answer 1306 In byte order (e.g. \x00\x01\x02) and including the null byte \x00, what were the badchars for OVERFLOW7? ✓ Correct Answer x00x8cxaexbexfbTASK 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?** ✓ Correct Answer  $x00\x1d\x2e\xc7\xee$ TASK 10 : oscp.exe - OVERFLOW9 What is the EIP offset for OVERFLOW9? ✓ Correct Answer 1514 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? ✓ Correct Answer 537

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

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

## CONCLUSION:

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