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Help

\xEE\xEE\xEE\xEE address at end of 65 bytes entered into buf question

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Karen West . 8 hours ago %

*

When asked to replace \xEE\xEE\xEE at the end of the buf entry:

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Carsten Hansen . 8 hours ago %

Getting the seg fault is expected behavior!. You as the black hat crash the system you are trying to hack. Who cares. The question is: Did you recover the secret (before the seg fault)? If yes, then you are done.

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Christopher Rose . 8 hours ago %

Karen, you sound close. Follow the logic of the preceding questions. What did you get for the previous question?

• What do you enter so that ptrs[s">ptrs[s">ptrs[s] reads (and then tries to execute) starting from the 65th byte in buf, i.e., the location at buf[64]? Enter your answer as an unsigned integer.

It should remind you of something in this question.

Why are you adding 65 to ptrs? Remember that you want the 65th byte of buf, no? And remember that the first byte of buf is buf[0] so what is x if buf[x] is the 65th byte? And you are right, ptrs are 4 byte pointers, so you need to adjust the byte difference to the number of 4byte pointers in that byte difference.

Good luck! You can do it.

Chris

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Christopher Rose . 8 hours ago %

P.S. You know, this is simple and I got a bit confused by some of your later confused logic. You don't really need to do any calculation here. Just put the address of write secret exactly where the question says. If this doesn't work are you sure that you are running in the right environment?

Remember this from the instructions:

When carrying out the lab, you must follow the instructions given above **exactly** for running the program (using runbin.sh) and using GDB (attaching to wisdom-alt in a separate terminal, and not running gdb ./wisdom-alt) or else the answers you get may not match the ones we are expecting. In particular, the addresses of stack variables may be different. These addresses might also be different if you have altered any environment variables in the Ubuntu terminals. To confirm that things are as they should be, recall the GDB interaction above, where we print the address &r with the result being 0xbffff530 -- if you are not getting that result when you reproduce that interaction then something is wrong. You should restart fresh terminals and begin from scratch, following the instructions exactly.

In my system entering your value \x34\x85\x04\x08 in the placeholder \xEE\xEE\xEE\xEE of the string provided in the question and entering that string at the menu prompt just works with no additional effort. You might get a seg fault even, but do you get the secret to print? That is what matters. If it doesn't work you have probably not set up your environment correctly.

↑ 0 **↓** · flag





So ignoring my later comment that I tried when it did not work, and only paying attention to the first thing I tried - so just doing what I did at first: When asked to replace \xEE\xEE\xEE\xEE at the end of the buf entry:

\xEE\xEE\xEE\xEE - I tried 2 things that did not work - caused seg faults - and I'm not sure why - I searched the disc. forums and have not yet found the answer, so I ask here. Here is what I tried. I noticed that there are 65 bytes entered at the prompt where buf is filled (56 A's plus the null byte to terminate that 56 A string, then the number 771675175 which is 9 digit characters, making a 65 char input to buf. I then tried to overwrite the 65-68th chars of buf (since buf starts at 0). I tried to enter the address of write secret, so I entered: \x34\x85 \x04\x08 for little endian entry, and that caused a seg fault.

This should work - if I set up my environment correctly? I did run runbin.sh in one terminal, and gdb -p `pgrep wisdom-alt` in a separate terminal.

I saw above that a seg fault is expected, but I should have seen write secret executed and outputted to stdout.

I'll try it again but I don't think I saw that.



+ Comment



Karen West . 3 hours ago %



I tried this one again and it does not print the secret key - this is my last problem with project 1, and I can submit it once I figure it out! I once again entered: \x34\x85\x04\x08 after the: 771675175\x00(then 56 A's) - that did NOT print the secret key - not sure what is wrong there. Any more help here appreciated!

Carsten Hansen . 3 hours ago %

There are only 54 A's. 9 digits (from 771675175), a null byte, 54 A's give you an offset of 64. In gdb if you do "x/8xb &buf[64]" do you see the right address?

After the C instructions fptr tmp = ptrs[s]; what is the value of tmp? It should be 0x8048534.

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