

Assignment: Stack Cookies

Description:

Please complete the following lab CTF challenges, preferably in Python 3, using the “pwntools” library:

- Lab 3-1
- Lab 3-2
- Lab 3-3

Labs 3-1 and 3-2 should be relatively simple, as they are very similar to the problems shown in the lecture. I expect everyone to be able to solve these.

Lab 3-3 is more difficult because it requires some **intelligent** bruteforce (emphasis on “intelligent”, there **is** a time-efficient strategy). This will require more code than the other two, and your exploit will take longer to run. That is expected. Please give this challenge your best effort, but rest assured I will still grade generously for a strong attempt, even if you do not achieve a working exploit. This challenge is a stretch goal.

Remember to please document your solutions. As previously stated, “documentation” may be as simple as code comments throughout your script, explaining what each part does, or as fancy as a separate write-up with screenshots, diagrams, and full explanation. Up to you, I’d just like to see your thought process.

Don’t forget to submit the flags! :)

Deliverables:

- For each of the labs listed above, please turn in to the dropbox...
 - Your well documented script which solves the challenge
 - A screenshot of it running, showing that it works.