

Lab 1 Part:1
50 Points
Due: March 8

1 Assignment

Your objective is to go gain access to a remote computer using a buffer overflow attack. The target is groucho.cs.unm.edu. The machine offers an echo service on port 9000+(your number). Your number was assigned in class, however if you were not in class to receive a number please email me so I can assign you one.

Once you have gained access to the computer you must give yourself an account with root permissions. Make your account name your first name followed by your last name. For example my account would be tonyespinoza. Make sure your account has sudoer permissions, meaning you can get root any time you want after logging in regularly.

2 Need to Know

This section might grow :).

1. You must attack form a CS lab machine. We don't want the outside world to hack into our machine, even if it is only virtual, so all non-CS IP addresses will be blocked.
2. Once you get a root shell it will not be friendly, it is unlikely you will be able to use an editor like nano, or vim.

3 DON'Ts

1. Do NOT, delete everything on the virtual machine once you get root access.
2. Do NOT, use a password that you don't want others to have.
3. Do NOT, delete other users on the machine.
4. Do NOT, do anything unspecified by the assignment.
5. Do NOT, share code, this is an individual assignment.

4 Submission

Write up concisely, on no more than a page, how your attack was implemented. Attach any code you used along with a README file with the code. This is not part of the writeup page length. Don't forget to turn in the assignment to the email address specified in the syllabus.