CPTR 427 Lab #1 Name

Linux &Windows Setup + Linux Firewall

# Lab Ops

## Windows:

1. Your windows server is already installed.
   1. Your first task is to change the password. Current Password: Gx77y358tXGH9
   2. Next assign an IP address to the server from the 192.168.37.0/24 range.

## Linux

1. If you have not, install a basic version of Linux (no extra packages, and no gui).
2. Make sure you are using mirror.southern.edu in /etc/apt/sources.list file
3. Make sure the following and only the following are installed:
   1. iptables
   2. open ssh client and server
   3. Assign an IP from the 192.168.37.0/24 range.
4. Create the following rule sets for your firewall:
   1. passicmp
   2. TCP-STF
   3. CON-TRK
   4. SRC-CHK
   5. FWL-IN
   6. FWL-OUT
5. Make sure the firewall rules you create are run at boot. Where in the sequence should you put it?
6. Setup your servers to receive automatic security updates once a day between 1 and 4 in the morning.

# How to Install?

There is good documentation online. Part of being a good sysadmin is finding answers to problems. I’ve given you a task list and the order to do it in. Find the information necessary. If you get lost, ASK, I’ve probably done this X to many times.

# Demos/Questions

1. 🞏 List the services currently running on both servers.
2. 🞏 Show that your linux firewall will start at startup
3. 🞏 List the rules from the command prompt
4. When should you run the firewall script during the boot sequence? (e.g. before or after some specific service)
5. What iptables command would you add to prohibit access to a web server on your system? and where would you add it?