

Assignment 2: Watchfulness
eSoc 488: Privacy Technology in Context
Due: Tuesday, 18 September 2018
Total Homework/Assignment Points: 100

Mr. Phony Pants is dismayed at his mistake, and has vowed to improve. He has taken an interest in security, and is now playing around inside his home directory. He has also locked down his home directory to prevent access to his experiments, but he is still new at all this, and sometimes he makes mistakes!

*Create a **plain text** file (not word, pdf, or anything else) called ‘watchfulness_challenge’ for your answers; write your netid as the first line in the file. For each question below, write your answer on a new line. Do not add question numbers before writing your answers. If you skip any problems, create a file called ‘skipped,’ again with your netid as the first line, and afterward write the number of each skipped problem on a separate line, **along with what you tried that ultimately did not work for potential partial credit** (if you don’t skip any problems, you need not create the file).*

Be a persistent threat

1. [25] Write a ksh script to repeatedly check whether mr_phony_pants has made a mistake with the permissions on his directory. If he *has* made a mistake, immediately copy his directory contents to your home directory. Describe clearly and exactly what the script does. (Do not check more than once per minute).
2. [25] Write a one-line pipeline to do the same thing as your script. Again, describe clearly and exactly what each part of the pipeline does.

Get cracking

3. [25] Describe what each file in Mr. Phony Pants’s directory is (you may need to look at the contents of the files).
4. [25] Use one of Mr. Phony Pants’s files to log in as mr_phony_pants. Describe clearly what you did to do this.