CS 409
Assignment 6
Done By: March 3

There are two parts to this assignment. One part for you to do on your own system, and part to be done as a group. For the latter, use the following groups:

Group 1: Albers, Collins, Martin, Wilson
Group 2: Becker, Diefel, Pascoe
Group 3: Berg, Erickson, Pearson, Stevens
Group 4: Billman, Howard, Seltzer, West
Group 5: Braun, Jackson, Schmidt, Tucker
Group 6: Byxbe, Kirkpatrick, Sommers, Verdon

Group Questions Turn in a single report for the group listing all names and the percentage contribution by each member. The report should show the result that you selected for each question.

1. Create a bash (sh) alias that will use *ps* to list all processes with the processes sorted so that those using the largest amount of CPU time (first key) and memory space (second key) listed first.

2. Modify syslog.conf to send *local0* facility log entries with a priority of *less than warning* to */var/log/local0-minor* and all with priority of *warning or greater* to /var/log/local0-major. Use the *logger* command to test that it works.

3. Create a script and cron job that will test the files in /bin, /sbin and /usr/sbin to see if they have been modified in the last hour.

On your own do the following and turn in the descriptions, scripts and/or configuration files:

1. Create an alias that would identify processes running on your system that are older than some given input value in days. Note, an alias could begin with a script (or two) that you write and then finally an alias.

2. Create a script or alias that would give the process number(s) and user name (s) that is(are) currently using a file. Look at the *fuser* command.

3. Look in /var/log and identify the content of the following files:

   - boot.log
   - messages
   - rpmpkgs

4. Install *swatch* via rpm on your system and configure it to notify you of failed logins, su's and sudo's.

5. Use *at* or *batch* to execute a simple command. For example"

   echo "Time for class" — at 8:50