## Week 14 practice

## **Python Practice**

## Assignment

This assignment will hone your skills as a Python script writer.

## Tasks

Create the following script using python:

- You script should login to several hosts and check to make sure that services are on. If services are not on, an email alert should be sent to you.
- This should be ran as a cron job every hour.
- You should begin with a hosts file that has the following format:

host1:process\_to\_check
host2:process\_to\_check
host3:process\_to\_check
host4:process\_to\_check

Maybe something like:

- 1.1.1.1:mysql 1.1.1.2:apache2 1.1.1.3:bind9 1.1.1.4:bind9
- Make sure you can write an appropriate shell command to see if a process is running (i.e. system apache2 status, then grep what you want from there)
- The script should be run like this: ./process\_monitor.py hostlist

If you get stuck, a potential solution is  $\underline{here}$