

Week 14 practice

Python Practice

Assignment

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

Tasks

Create the following script using python:

- Your 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 [here](#)