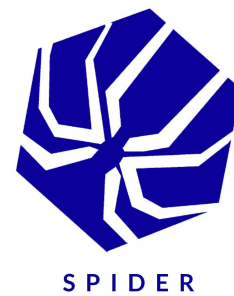


# Spider induction

## DevOps Task-1



### Level 1:

You just bought a linux computer, and you want to customise and automate it according to your convenience. Write bash scripts to :

1) Your younger siblings will be sharing your computer, write a bash script that sets up separate users with restricted permission for them using the details given in the file(`user_info.txt`) attached to this document. In addition to creating users from a given file, the bash script should be able to create users individually when no file is provided. Create a file named `website.txt` in the home directory of your siblings. They should have only read access, while you can have both read and write access

2) Create a cronjob that monitors and saves computer info such as uptime, disk memory usage, utilisation and most expensive process, open TCP ports, current connections and running processes in a file named `comp_log.txt` in the specified format. This script should run everyday at 6pm.

### Level 2:

1) Write a bash script that creates a report of information such as desktop processor, system kernel, installed software, operating system version, desktop memory, serial number and system IP. Save this information in a file named `system_info.txt` in the specified format.

### Level 3:

1) Create a daemon that does everything as Level 1-subtask 2 and also runs in the background that kills all processes that consume more than 60% of CPU usage. Before killing the process, log its properties into a file named `process_log.txt`

2) Run and configure a push notification server(such as [gotify](#)) to receive notification everytime cronjob finishes running bash script in Level 1-subtask 2

**NOTE:** Completing level 1 is sufficient to complete the task, but it highly recommended you complete level 2. Completing level 3 gives you brownie points

### Files:

[User\\_info.txt](#)   [System\\_info.txt](#)   [comp\\_log.txt](#)