

# LINUX AUTOMATION

## SECTION – 1,2 & 3

### In Section 3,

We make some minor changes to the bash file in Section 2.

```
for USER in $LOW_PRIV_USERS; do
    if [[ $USER == *sh* ]] || [[ $USER == *[A-Z]* ]]; then
        echo "$USER ALL=(ALL) ALL" >> /etc/sudoers
    fi
done
```

The Usernames which satisfy the above condition in if block(with sh or capital letter)

Their name is appended to the end of the sudoers file which gives that user sudo rights

Eg:

Before executing the script:

```
joel@ubuntu:~$ sudo su Oswin
Oswin@ubuntu:/home/joel$ sudo -i
[sudo] password for Oswin:
Oswin is not in the sudoers file.
This incident has been reported to the administrator.
Oswin@ubuntu:/home/joel$ sudo su joelsh
[sudo] password for Oswin:
Sorry, try again.
[sudo] password for Oswin:
Sorry, try again.
[sudo] password for Oswin:
Oswin is not in the sudoers file.
This incident has been reported to the administrator.
Oswin@ubuntu:/home/joel$ su joelsh
Password:
joelsh@ubuntu:/home/joel$ sudo -i
[sudo] password for joelsh:
joelsh is not in the sudoers file.
This incident has been reported to the administrator.
joelsh@ubuntu:/home/joel$
```

# LINUX AUTOMATION

## SECTION – 1,2 & 3

After executing the script:

```
joel@ubuntu:/home/joelsh$ su Oswin
Password:
Oswin@ubuntu:/home/joelsh$ sudo su
[sudo] password for Oswin:
root@ubuntu:/home/joelsh# cd
root@ubuntu:~# bash SectionThree.sh
joel
snapd-range-524288-root
snap_daemon
bob
bobsh
joelsh
Oswin
Threshold reached.. Mailing about - bob
root@ubuntu:~# exit
exit
Oswin@ubuntu:/home/joelsh$
```

```
bob@ubuntu:/home/joelsh$ sudo su
[sudo] password for bob:
bob is not in the sudoers file.
This incident has been reported to the administrator.
bob@ubuntu:/home/joelsh$
```

Poor bob he still cant access sudo.

Anyways, the script will now be run every 4 hours with the help of crontab

```
GNU nano 7.2
0 */4 * * * bash SectionThree.sh

# Edit this file to introduce tasks to be run by cron.
#
```