

TP6

TD/TP 6

1. Mettre en place un script qui, toutes les 5 minutes, ajoute la date, l'heure et le pourcentage de l'utilisation actuelle de la mémoire dans un fichier nommé "memoire.log". (utilisez la commande *free* pour récupérer les informations sur la mémoire)

On peut configurer un cron job chaque 5 minutes avec la commande `crontab -e`

```

amaador@amaador-VirtualBox: ~
File Edit View Search Terminal Help
GNU nano 2.9.3 /tmp/crontab.3Icswi/crontab Modified

# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m. every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   command
* 5 * * * /home/amaador/tp6-amaador/

^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File  ^\ Replace  ^U Uncut Text ^T To Spell  ^_ Go To Line

tp6-amaador
~/
Open Save
#!/bin/bash

memoire_total=$(free -m | grep Mem | tr -s ' ' | cut -d ' ' -f 2)
memoire_use=$(free -m | grep Mem | tr -s ' ' | cut -d ' ' -f 3)
memoire_pourcentage=$(printf "%.2f" $(echo "$memoire_use/$memoire_total * 100" | bc -l))
datetime=$(date +%Y-%m-%d %H:%M:%S)

echo "$datetime $memoire_pourcentage%" >> /var/memoire.log

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```

```

amaador@amaador-VirtualBox:~$ crontab -e
crontab: installing new crontab
amaador@amaador-VirtualBox:~$
  
```

Vérification contenu Memoire.log

```
2023-04-19 03:27:50 80.37%  
amaador@amaador-VirtualBox:~$ cat /var/memoire.log  
0.00%  
0.00%  
0.00%  
0.00%  
0.00%  
0.00%  
2023-04-19 03:27:56 80.37%
```