



Tecnológico de Monterrey

Instituto Tecnológico de Estudios Superiores de Monterrey

Campus Querétaro

ISC

Laboratorio 11: Scripts parte V

Sistemas Operativos

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Quinto Semestre

```
#!/usr/bin/ksh
#####
#                               ITESM-CQro                               #
# En esta practica, realizaras un script que apoye las actividades de gestion al #
# identificar para un conjunto de cuentas de servidor UNIX la fecha en la que cada #
# cuenta modifiko por ultima ocasion un archivo dado.                         #
#                                                                              #
# Autor: Jesus Olmos Larios - A1275595 / A01275595                         Fecha: 11/03/2020 #
#                                                                              #
# Ejemplo: # P11_1275595 Cuenta1 Cuenta2 Cuenta3 ...                       #
#####

if [ $# -gt 0 ] #Verificando el numero de argumentos
then
    while [ $# -gt 0 ] #Loop que hace las verificaciones en las cuentas
    do
        Existe=`egrep $1 /etc/passwd`
        if [ $? -eq 0 ] #Verifica que la cuenta exista en el sistema
        then
            Nombre=`egrep $1 /etc/passwd | cut -f5 -d:`
            Conectada=`who | egrep $1`
            if [ $? -eq 0 ] #Verifica que la cuenta este conectada
            then
                echo "\n\"$Nombre\" is executing:"
                Procesos=`ps -u $1 | egrep -vi PID | tr -s '[ ]' '[*]' | cut -f5 -d# > PROCESOS`
                for P in `cat PROCESOS`
                do
                    Number=`ps -u $1 | egrep -vi PID | egrep $P | tr -s '[ ]' '[*]' | cut -f5 -d# | wc -l`
                    PNom=`ps -u $1 | egrep -vi PID | egrep $P | tr -s '[ ]' '[*]' | cut -f5 -d# | head -1`
                    echo "$Number instance(s) of $PNom"
                done
            else
                echo "\n\"$Nombre\" is not connected at the moment."
            fi
        else
            echo "\nThe UNIX account \"$2\" does not exist in the system!!!"
        fi
        shift 1
    done
else
    echo "\nThe script \"`basename $0`\" must get at least one UNIX account to process!!!."
fi
```

P11_1275595

```
/export/home/alumnos/A1275595> P11_1275595
```

```
The script "P11_1275595" must get at least one UNIX account to process!!!.
```

P11_1275595 A2020007 ltrepo herosaqro A1703442 a1234567 a1911911

```
/export/home/alumnos/A1275595> P11_1275595 A2020007 ltrepo herosaqro A1703442 a1234567 a1911911
```

```
"Israel Cano Buendia" is not connected at the moment.
```

```
The UNIX account "herosaqro" does not exist in the system!!!
```

```
" Oscar Hern andez" is not connected at the moment.
```

```
"Emmanuel Antonio Ram rez Herrera" is not connected at the moment.
```

```
"Luis Pasos" is not connected at the moment.
```

```
" Santiago Nasar " is not connected at the moment.
```

```
/export/home/alumnos/A1275595> who
A1275595 pts/1 Nov 3 17:57 (10.25.16.84)
A1173530 pts/2 Nov 3 14:12 (10.25.16.84)
A1704584 pts/3 Nov 3 18:27 (10.25.16.84)
A1704354 pts/4 Nov 3 18:46 (10.23.57.66)
A1704354 pts/6 Nov 3 19:00 (10.23.57.66)
/export/home/alumnos/A1275595> P11_1275595 A1275595 A1173530 A1704584 A1704354
```

"Jesús Olmos Larios" is executing:

- 1 instance(s) of cut
- 2 instance(s) of egrep
- 1 instance(s) of P11_1275
- 1 instance(s) of sshd
- 1 instance(s) of tr
- 1 instance(s) of ksh
- 1 instance(s) of ps

"Adrián Torres Hernández" is executing:

- 1 instance(s) of sshd
- 1 instance(s) of ksh

"Alberto Matute Beltrán" is executing:

- 1 instance(s) of ksh
- 1 instance(s) of sshd

"Guillermo Carlos Espino Mateos" is executing:

- 2 instance(s) of ksh
- 2 instance(s) of sshd
- 2 instance(s) of ksh
- 1 instance(s) of nano
- 2 instance(s) of sshd