

EXAMEN SEGUNDO PARCIAL

ICO

Alexis yahir alvarez leon

SISTEMAS OPERATIVOS

```
Failed to fetch http://archive.ubuntu.com/ubuntu/pool/universe/g/gttranslations-opensource-src/gttranslations-10n-5.15.13-1-all.deb Cannot initiate the connection to archive.ubuntu.c
on:80 (216:2d:4080::1:101). connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080::1:102). - connect (101: Network is unreachabl
Cannot initiate the connection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:40
2:1:102). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initia
the connection to archive.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect
(101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archi
ve.ubuntu.com:80 (2628:2d:4082:1:101). - connect (101: Network is unreachable) [IP: 91.189.91.81]

Failed to fetch http://archive.ubuntu.com/ubuntu/pool/universe/g/gtwayland-opensource-src/gtwaylands-5.15.13-1-amd64.deb Cannot initiate the connection to archive.ubuntu.com:80 (2628:2
d:4082:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Cannot initia
the connection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:102). - conne
(101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the connection
to archive.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (101: Networ
k is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.co
m:80 (2628:2d:4082:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Ca
not initiate the connection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1
:102). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the c
nection to archive.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (1
01: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archiv
e.ubuntu.com:80 (2628:2d:4082:1:101). - connect (101: Network is unreachable) [IP: 91.189.91.81]

Failed to fetch http://archive.ubuntu.com/ubuntu/pool/universe/l/libvaapi-driver/vaapi-driver-1.5.2-0ubuntu1-amd64.deb Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1
:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Cannot initiate the c
nection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:102). - connect
(101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archi
ve.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (101: Network is ure
achable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628
:2d:4082:1:101). - connect (101: Network is unreachable) [IP: 91.189.91.81]

Failed to fetch http://archive.ubuntu.com/ubuntu/main/lib/libvdpau-driver-all-1.5-2build1-amd64.deb Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1
:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Cannot initiate the co
nnection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:102). - connect (
101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archiv
e.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (101: Network is unre
achable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628
:2d:4082:1:101). - connect (101: Network is unreachable) [IP: 91.189.91.81]

Failed to fetch http://archive.ubuntu.com/ubuntu/pool/universe/p/proj/proj-btn-9.4.0-1build1-amd64.deb Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:103). -
connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Cannot initiate the connection
to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:102). - connect (101: Netw
ork is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubunt
.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (101: Network is unreachabl
Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:19). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1
:103). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:102). - connect (101: Network is unreachable) Cannot initiate the co
nnection to archive.ubuntu.com:80 (2406:bc80:b100:0:16). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4082:1:102). - connect
(101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:103). - connect (101: Network is unreachable) Cannot initiate the connection to archiv
e.ubuntu.com:80 (2628:2d:4080:1:101). - connect (101: Network is unreachable) Cannot initiate the connection to archive.ubuntu.com:80 (2628:2d:4080:1:16). - connect (101: Network is unreach
Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
alex@DESKTOP-356J0R8:~$ python3 canny.py
Traceback (most recent call last):
  File "cnn/text/canny/canny.py", line 1, in <module>
    import cv2
ModuleNotFoundError: No module named 'cv2'

alex@DESKTOP-356J0R8:~$ pip install opencv-python3
python3: can't open file '/home/alex/.cache/pypoetry/pypoetry/pyproject.toml': [Errno 2] No such file or directory
alex@DESKTOP-356J0R8:~$
```

```
alexis@DESKTOP-356J0B0: ~$ sudo usermod -c "Quality assurance" GuadalupeRole
alexis@DESKTOP-356J0B0: ~$ grep "GuadalupeRole" /etc/passwd
GuadalupeRole:x:1002:1002:Quality assurance:/home/GuadalupeRole:/bin/bash
alexis@DESKTOP-356J0B0: ~$ sudo passwd GuadalupeRole
New password:
Retype new password:
passwd: password updated successfully
alexis@DESKTOP-356J0B0: ~$ sudo chage -M 1 Quality assurance
Usage: chage [options] LOGIN

Options:
  -d, --lastday LAST_DAY      set date of last password change to LAST_DAY
  -E, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
  -h, --help                  display this help message and exit
  -l, --lso8601               use YYYY-MM-DD when printing dates
  -I, --inactive INACTIVE     set password inactive after expiration
                              to INACTIVE
  -l, --list                  show account aging information
  -m, --mindays MIN_DAYS      set minimum number of days before password
                              change to MIN_DAYS
  -M, --maxdays MAX_DAYS     set maximum number of days before password
                              change to MAX_DAYS
  -R, --root CHROOT_DIR       directory to chroot into
  -w, --warndays WARN_DAYS    set expiration warning days to WARN_DAYS

alexis@DESKTOP-356J0B0: ~$ sudo chage -M 1 Quality assurance
Usage: chage [options] LOGIN

Options:
  -d, --lastday LAST_DAY      set date of last password change to LAST_DAY
  -E, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
  -h, --help                  display this help message and exit
  -l, --lso8601               use YYYY-MM-DD when printing dates
  -I, --inactive INACTIVE     set password inactive after expiration
                              to INACTIVE
  -l, --list                  show account aging information
  -m, --mindays MIN_DAYS      set minimum number of days before password
                              change to MIN_DAYS
  -M, --maxdays MAX_DAYS     set maximum number of days before password
                              change to MAX_DAYS
  -R, --root CHROOT_DIR       directory to chroot into
  -w, --warndays WARN_DAYS    set expiration warning days to WARN_DAYS

alexis@DESKTOP-356J0B0: ~$ sudo chage -E $(date -d "tomorrow" +%Y-%m-%d) GuadalupeRole
chage: user 'GuadalupeRole' does not exist in /etc/passwd
alexis@DESKTOP-356J0B0: ~$ sudo chage -E $(date -d "tomorrow" +%Y-%m-%d) Quality assurance
Usage: chage [options] LOGIN

Options:
  -d, --lastday LAST_DAY      set date of last password change to LAST_DAY
  -E, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
```

```
alexis@DESKTOP-356JQ8D:~$ nano gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ chmod +x ~/gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ ./gestion_usuario.sh
Buscando usuario: GuadalupeRole
El usuario GuadalupeRole no se ha encontrado, pero será creado el día Viernes 28 de Noviembre del 2025 a las 16:18
Mensaje guardado en C:\MessageLog281125.txt
Creando usuario: GuadalupeRole
[sudo] password for alexis:
✓ Usuario GuadalupeRole creado exitosamente

=== VERIFICACIÓN FINAL ===
✓ Usuario existe:
uid=1002(GuadalupeRole) gid=1002(GuadalupeRole) groups=1002(GuadalupeRole)
Información completa:
GuadalupeRole:x:1002:1002::/home/GuadalupeRole:/bin/bash

=== ARCHIVOS CREADOS ===
No hay archivos de log aún
alexis@DESKTOP-356JQ8D:~$
```

```
alexis@DESKTOP-356JQ8D:~$ nano gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ chmod +x ~/gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ ./gestion_usuario.sh
Buscando usuario: YanedSale
El usuario YanedSale no se ha encontrado, pero será creado el día Friday 28 de November del 2025 a las 15:58
Mensaje guardado en C:\MessageLog281125.txt
Creando usuario: YanedSale
✓ Usuario YanedSale creado exitosamente

=== VERIFICACIÓN FINAL ===
✓ Usuario existe:
uid=1001(YanedSale) gid=1001(YanedSale) groups=1001(YanedSale)
Información completa:
YanedSale:x:1001:1001::/home/YanedSale:/bin/bash

=== ARCHIVOS CREADOS ===
No hay archivos de log aún
alexis@DESKTOP-356JQ8D:~$ sudo cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail list Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
system-network:x:998:998:systemd Network Management:/usr/sbin/nologin
systemd-timesync:x:996:996:systemd Time Synchronization:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false
messagebus:x:101:101::/nonexistent:/usr/sbin/nologin
syslog:x:102:102::/nonexistent:/usr/sbin/nologin
systemd-resolve:x:991:991:systemd Resolver:/usr/sbin/nologin
uidde:x:103:103::/run/uidde:/usr/sbin/nologin
landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin
polkitd:x:990:990:User for polkitd:/usr/sbin/nologin
alexis:x:1000:1000:::/home/alexis:/bin/bash
sshd:x:105:65534:/run/ssh:/usr/sbin/nologin
YanedSale:x:1001:1001::/home/YanedSale:/bin/bash
alexis@DESKTOP-356JQ8D:~$
```

```
alexis@DESKTOP-356JQ8D:~$ nano gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ chmod +x ~/gestion_usuario.sh
alexis@DESKTOP-356JQ8D:~$ ./gestion_usuario.sh
Buscando usuario: YanedSale
El usuario YanedSale no se ha encontrado, pero será creado el día Friday 28 de November del 2025 a las 15:58
Mensaje guardado en C:\MessageLog281125.txt
Creando usuario: YanedSale
✓ Usuario YanedSale creado exitosamente

=== VERIFICACIÓN FINAL ===
✓ Usuario existe:
uid=1001(YanedSale) gid=1001(YanedSale) groups=1001(YanedSale)
Información completa:
YanedSale:x:1001:1001::/home/YanedSale:/bin/bash

=== ARCHIVOS CREADOS ===
No hay archivos de log aún
alexis@DESKTOP-356JQ8D:~$ sudo cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail list Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
system-network:x:998:998:systemd Network Management:/usr/sbin/nologin
systemd-timesync:x:996:996:systemd Time Synchronization:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false
messagebus:x:101:101::/nonexistent:/usr/sbin/nologin
syslog:x:102:102::/nonexistent:/usr/sbin/nologin
systemd-resolve:x:991:991:systemd Resolver:/usr/sbin/nologin
uidde:x:103:103::/run/uidde:/usr/sbin/nologin
landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin
polkitd:x:990:990:User for polkitd:/usr/sbin/nologin
alexis:x:1000:1000:::/home/alexis:/bin/bash
```

```
GNU nano 7.2      gestion_usuario.sh
# 1.3.1 Definir variable de usuario
NOMBRE_FAMILIAR="Yaned"
APELLIDO_MATERNO="Ro"
APELLIDO_PATERNO="Le"
USUARIO="${NOMBRE_FAMILIAR}_${APELLIDO_MATERNO:0:2}${APELLIDO_PATERNO:0:2}"

# 1.3.2 Verificar si el usuario existe
if id "$USUARIO" &>/dev/null; then
    echo "El usuario $USUARIO ha sido creado anteriormente $(date '+%H:%M:%S %d/%m/%y') " >> ~/Escritorio/CUMessageLog$(date +%d%h%y).txt
else
    echo "El usuario $USUARIO no se ha encontrado, pero será creado el día $(date '+%A %d de %B del %Y a las %H:%M') " >> ~/Escritorio/CUMessageLog$(date +%d%h%y).txt
# 1.3.3 Crear usuario
sudo adduser "$USUARIO"
fi

alexis@DESKTOP-356JQBD: ~$ sudo deluser --remove-home conexionshh
Info: Looking for files to backup/remove ...
Info: Removing files ...
Info: Removing crontab ...
Info: Removing user 'conexionshh' ...
alexis@DESKTOP-356JQBD: ~$ sudo deluser --remove-home usuario_sshh
Info: Looking for files to backup/remove ...
Info: Removing files ...
Info: Removing crontab ...
Info: Removing user 'usuario_sshh' ...
alexis@DESKTOP-356JQBD: ~$ sudo deluser --remove-home usuario_ssh
Info: Looking for files to backup/remove ...
Info: Removing files ...
Info: Removing crontab ...
Info: Removing user 'usuario_ssh' ...
alexis@DESKTOP-356JQBD: ~$ sudo deluser --remove-home karli
Info: Looking for files to backup/remove ...
Info: Removing files ...
Info: Removing crontab ...
Info: Removing user 'karli' ...
alexis@DESKTOP-356JQBD: ~$ cat /etc/passwd | grep "/bin/bash"
Command 'grep' not found, did you mean:
  Command 'grep' from deb grep (3.11-3)
  Command 'greed' from deb greed (4.2-1)
Try: sudo apt install <deb name>
alexis@DESKTOP-356JQBD: ~$ cat /etc/passwd | grep "/bin/bash"
root:x:0:0:root:/root:/bin/bash
alexis:x:1000:1000::/home/alexis:/bin/bash
alexis@DESKTOP-356JQBD: ~$

cat: /etc/passwd: No such file or directory
alexis@DESKTOP-356JQBD: ~$ sudo cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
apt:x:42:65534:/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin
dhcpcd:x:1001:65534:DHCP client Daemon,,,:/usr/lib/dhcpcd:/bin/false
messagebus:x:101:101:/:/nonexistent:/usr/sbin/nologin
syslog:x:102:102:/:/nonexistent:/usr/sbin/nologin
systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin
uidmap:x:103:103:/:/run/uidmap:/usr/sbin/nologin
landscape:x:104:105:/:/var/lib/landscape:/usr/sbin/nologin
polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin
alexis:x:1000:1000::/home/alexis:/bin/bash
conexionshh:x:1001:1001:Jose Antonio,558897456,245857,12,prubea de conexon:/home/conexionshh:/bin/bash
sshd:x:105:65534:/:run/ssh:/usr/sbin/nologin
usuario_sshh:x:1002:1002:joseantonio,558975,554789,44589,prubea de conexon:/home/usuario_sshh:/bin/bash
usuario_sshh:x:1003:1003:joseantonio,55785412,558965,2585,prubea de conexon:/home/usuario_sshh:/bin/bash
karli:x:1004:1004:/:home/karli:/bin/bash
alexis@DESKTOP-356JQBD: ~$
```

