

Examen

1. Muestre todos los usuarios registrados en su Distro Linux

1.1. Depure los usuarios existentes, así como su escritorio y conserve únicamente el usuario de instalación.

1.2. Cree un grupo en su distro Linux con el nombre “TeamScrum”,

1.3. Cree un nuevo usuario con el “nombre de un familiar”,

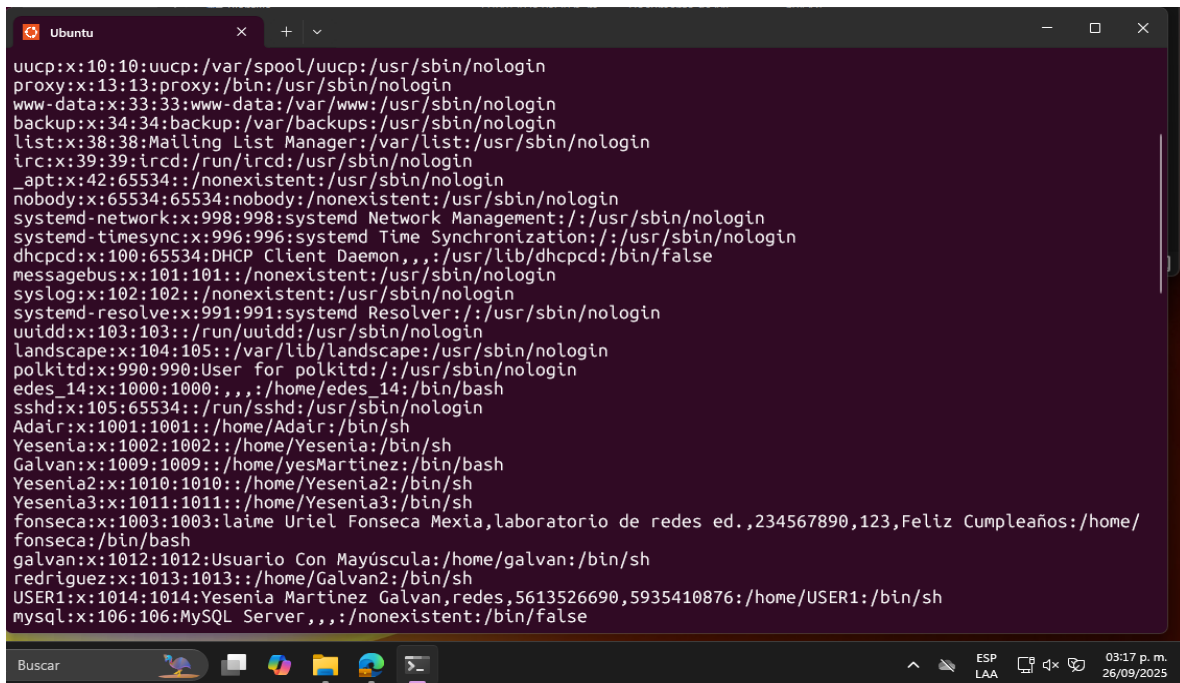
1.3.1. Agregue una contraseña,

1.3.2. Complete el resto del nombre empleando los datos de su familiar,

1.3.3. En el campo Otro [] ingrese su correo institucional,

1.3.4. Agregue el resto de los datos empleando sus datos personales,

1.3.5. Renombre al usuario con el “nombre de un compañero de clase”



```
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
dhcpd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpd:/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
uidd:x:103:103::/run/uidd:/usr/sbin/nologin
landscape:x:104:105::/var/lib/landscape:/usr/sbin/nologin
polkitd:x:990:990:User for polkitd:/:/usr/sbin/nologin
edes_14:x:1000:1000::,:/home/edes_14:/bin/bash
sshd:x:105:65534::/run/sshd:/usr/sbin/nologin
Adair:x:1001:1001::/home/Adair:/bin/sh
Yesenia:x:1002:1002::/home/Yesenia:/bin/sh
Galvan:x:1009:1009::/home/YesMartinez:/bin/bash
Yesenia2:x:1010:1010::/home/Yesenia2:/bin/sh
Yesenia3:x:1011:1011::/home/Yesenia3:/bin/sh
fonseca:x:1003:1003:Laine Uriel Fonseca Mexia,laboratorio de redes ed.,234567890,123,Feliz Cumpleaños:/home/
fonseca:/bin/bash
galvan:x:1012:1012:Usuario Con Mayúscula:/home/galvan:/bin/sh
redriguez:x:1013:1013::/home/Galvan2:/bin/sh
USER1:x:1014:1014:Yesenia Martinez Galvan,redes,5613526690,5935410876:/home/USER1:/bin/sh
mysql:x:106:106:MySQL Server,,,:/nonexistent:/bin/false
```

```
edes_14@Redes14: ~  
edes_14@Redes14: $ sudo cat fonseca.txt  
[sudo] password for edes_14:  
cat: fonseca.txt: No such file or directory  
edes_14@Redes14: $ ls -l  
total 148  
drwxr-xr-x 2 root root 4096 Aug 21 16:04 Graficacion  
drwxr-xr-x 2 root root 4096 Aug 21 16:02 IO  
drwxr-xr-x 2 root root 4096 Aug 21 16:00 SO  
drwxr-xr-x 2 root root 4096 Aug 21 15:57 calculo  
-rw-r--r-- 1 edes_14 edes_14 61 Aug 22 15:51 cartas.jpeg:Zone.Identifier  
drwxr-xr-x 2 root root 4096 Aug 21 15:53 cienciaDeDatos  
drwxr-xr-x 13 edes_14 edes_14 4096 Sep 4 10:03 fastFetch  
-rw-r--r-- 1 edes_14 edes_14 121298 Aug 29 14:55 packages.txt  
edes_14@Redes14: $ sudo touch fonseca.txt  
edes_14@Redes14: $ sudo monosaurio.txt  
sudo: monosaurio.txt: command not found  
edes_14@Redes14: $ sudo touch monosaurio.txt  
edes_14@Redes14: $ ls -l  
total 148  
drwxr-xr-x 2 root root 4096 Aug 21 16:04 Graficacion  
drwxr-xr-x 2 root root 4096 Aug 21 16:02 IO  
drwxr-xr-x 2 root root 4096 Aug 21 16:00 SO  
drwxr-xr-x 2 root root 4096 Aug 21 15:57 calculo  
-rw-r--r-- 1 edes_14 edes_14 61 Aug 22 15:51 cartas.jpeg:Zone.Identifier  
drwxr-xr-x 2 root root 4096 Aug 21 15:53 cienciaDeDatos  
drwxr-xr-x 13 edes_14 edes_14 4096 Sep 4 10:03 fastFetch  
-rw-r--r-- 1 root root 0 Sep 25 15:34 fonseca.txt  
-rw-r--r-- 1 root root 0 Sep 25 15:35 monosaurio.txt  
-rw-r--r-- 1 edes_14 edes_14 121298 Aug 29 14:55 packages.txt  
edes_14@Redes14: $ sudo nano fonseca.txt  
edes_14@Redes14: $ sudo nano monosaurio.txt  
edes_14@Redes14: $ sudo cat fonseca.txt  
este es un archivo de prueba  
edes_14@Redes14: $ sudo cat fonseca.txt monosaurio.txt > salida.txt  
edes_14@Redes14: $ ls -l  
total 160  
drwxr-xr-x 2 root root 4096 Aug 21 16:04 Graficacion  
drwxr-xr-x 2 root root 4096 Aug 21 16:02 IO  
drwxr-xr-x 2 root root 4096 Aug 21 16:00 SO  
drwxr-xr-x 2 root root 4096 Aug 21 15:57 calculo  
-rw-r--r-- 1 edes_14 edes_14 61 Aug 22 15:51 cartas.jpeg:Zone.Identifier  
drwxr-xr-x 13 edes_14 edes_14 4096 Sep 4 10:03 fastFetch  
-rw-r--r-- 1 root root 29 Sep 25 15:35 fonseca.txt  
-rw-r--r-- 1 root root 27 Sep 25 15:36 monosaurio.txt  
-rw-r--r-- 1 edes_14 edes_14 121298 Aug 29 14:55 packages.txt  
-rw-r--r-- 1 edes_14 edes_14 56 Sep 25 15:38 salida.txt  
edes_14@Redes14: $ cat salida.txt  
este es un archivo de prueba  
este archivo se llama asi  
edes_14@Redes14: $  
  
systemd-timesyncx: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  
uid:x:103:103:run/uid:usr/sbin/nologin  
landscape:x:104:104:var/lib/landscape:usr/sbin/nologin  
polkitd:x:990:990:User for polkitd:usr/sbin/nologin  
edes_14:x:1000:1000:,,,:/home/edes_14:/bin/bash  
sshd:x:105:65534:run/sshd:usr/sbin/nologin  
mysql:x:106:106:MySQL Server,,,:nonexistent:/bin/false  
edes_14@Redes14: ~  
edes_14@Redes14: ~$  
edes_14@Redes14: ~$  
edes_14@Redes14: ~$  
edes_14@Redes14: ~$  
edes_14@Redes14: ~$ sudo groupadd TeamScrum  
edes_14@Redes14: ~$ sudo adduser karen  
err: Please enter a username matching the regular expression  
configured via the NAME_REGEX configuration variable. Use the  
"--allow-bad-names" option to relax this check or reconfigure  
NAME_REGEX in configuration.  
edes_14@Redes14: ~$ sudo adduser karen  
info: Adding user 'karen' ...  
info: Selecting UID/GID from range 1000 to 59999 ...  
info: Adding new group 'karen' (1001) ...  
info: Adding new user 'karen' (1001) with group 'karen (1001)' ...  
info: Creating home directory '/home/karen' ...  
info: Copying files from '/etc/skel' ...  
New password:  
Retype new password:  
passwd: password updated successfully  
Changing the user information for karen  
Enter the new value, or press ENTER for the default  
Full Name []: Karen Pineda  
Room Number []: laboratorio de redes  
Work Phone []: 5555555555  
Home Phone []: 5939145678  
Other []:  
Is the information correct? [Y/n] y  
info: Adding new user 'karen' to supplemental / extra groups 'users' ...  
info: Adding user 'karen' to group 'users' ...  
edes_14@Redes14: ~$ sudo chfn karen  
Changing the user information for karen  
Enter the new value, or press ENTER for the default  
Full Name [Karen Pineda]:  
Room Number [laboratorio de redes]:  
Work Phone [5555555555]:  
Home Phone [5939145678]:  
Other []: ymartinezg017@alumno.uaemex.mx  
chfn: fields too long  
edes_14@Redes14: ~$ sudo usermod -l alonso karen
```

```
Full Name []: Karen Pineda
Room Number []: laboratorio de redes
Work Phone []: 555555555
Home Phone []: 5939145678
Other []:

Is the information correct? [Y/n] y
info: Adding new user 'karen' to supplemental / extra groups 'users' ...
info: Adding user 'karen' to group 'users' ...
edes_14@Redes14: ~$ sudo chfn karen
Changing the user information for karen
Enter the new value, or press ENTER for the default
Full Name [Karen Pineda]:
Room Number [laboratorio de redes]:
Work Phone [555555555]:
Home Phone [5939145678]:
Other []: ymartinezg017@alumno.uaemex.mx
chfn: fields too long
edes_14@Redes14: ~$ sudo usermod -l alonso karen
edes_14@Redes14: ~$ sudo cat /etc/shadow
root:*:20305:0:99999:7:::
daemon:*:20305:0:99999:7:::
bin:*:20305:0:99999:7:::
sys:*:20305:0:99999:7:::
sync:*:20305:0:99999:7:::
games:*:20305:0:99999:7:::
man:*:20305:0:99999:7:::
lp:*:20305:0:99999:7:::
mail:*:20305:0:99999:7:::
news:*:20305:0:99999:7:::
uucp:*:20305:0:99999:7:::
proxy:*:20305:0:99999:7:::
www-data:*:20305:0:99999:7:::
backup:*:20305:0:99999:7:::
list:*:20305:0:99999:7:::
irc:*:20305:0:99999:7:::
_apt:*:20305:0:99999:7:::
nobody:*:20305:0:99999:7:::
systemd-network:*:20305:0:99999:7:::
systemd-timesync:*:20305:0:99999:7:::
dnscrypt:*:20305:0:99999:7:::
messagebus:*:20305:0:99999:7:::
syslog:*:20305:0:99999:7:::
systemd-resolve:*:20305:0:99999:7:::
uuidd:*:20305:0:99999:7:::
landscape:*:20305:0:99999:7:::
polkitd:*:20305:0:99999:7:::
edes_14:Sy$5j9T5ZaVw2Qs0pAx4vd8L81x1s1QrkbodYgP3XfAc1ZfW1V2jLLvgX3dpkXSuT3eCoZ78:20357:0:99999:7:::
sahd1:*:20305:0:99999:7:::
mysql:*:20305:0:99999:7:::
alonso:Sy$5j9T5ZaVw2Qs0pAx4vd8L81x1s1QrkbodYgP3XfAc1ZfW1V2jLLvgX3dpkXSuT3eCoZ78:20357:0:99999:7:::
edes_14@Redes14: ~$
```

2. Empleando el usuario que renombro anteriormente realice lo siguiente;
 - 2.1. Agregue el usuario al grupo “TeamScrum”,
 - 2.2. Muestre la configuración actual de la cuenta (fecha de caducidad de cuenta, contraseña, etc),
 - 2.3. Configure la contraseña del usuario para que caduque el 26 de septiembre del año en curso,
 - 2.4. Caduque la cuenta para el viernes 27 de septiembre,
 - 2.5. Cambie la contraseña del usuario,

```
edes_14@Redes14: ~$ sudo usermod -aG TeamScrum karen
usermod: user 'karen' does not exist
edes_14@Redes14: ~$ sudo usermod -aG TeamScrum alonso
edes_14@Redes14: ~$ sudo chage -l alonso
Last password change                : Sep 26, 2025
Password expires                    : never
Password inactive                   : never
Account expires                     : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
edes_14@Redes14: ~$ sudo chage -E 2025-09-27 alonso
edes_14@Redes14: ~$ sudo chage -E 2025-09-28 alonso
edes_14@Redes14: ~$ sudo passwd alonso
New password:
Retype new password:
passwd: password updated successfully
edes_14@Redes14: ~$ sudo chage -l alonso
Last password change                : Sep 26, 2025
Password expires                    : never
Password inactive                   : never
Account expires                     : Sep 28, 2025
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
edes_14@Redes14: ~$
```

```
eddes_14@Redes14: ~$ sudo usermod -s /bin/bash karen
usermod: user 'karen' does not exist
eddes_14@Redes14: ~$ sudo usermod -s /bin/bash alonso
eddes_14@Redes14: ~$ sudo chage -l alonso
Last password change               : Sep 26, 2025
Password expires                   : never
Password inactive                  : never
Account expires                    : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
eddes_14@Redes14: ~$ sudo chage -E 2025-09-27 alonso
eddes_14@Redes14: ~$ sudo chage -E 2025-09-28 alonso
eddes_14@Redes14: ~$ sudo passwd alonso
New password:
Retype new password:
passwd: password updated successfully
eddes_14@Redes14: ~$ sudo chage -l alonso
Last password change               : Sep 26, 2025
Password expires                   : never
Password inactive                  : never
Account expires                    : Sep 28, 2025
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
eddes_14@Redes14: ~$ sudo chage -M 1 alonso
eddes_14@Redes14: ~$ sudo chage -l alonso
Last password change               : Sep 26, 2025
Password expires                   : Sep 27, 2025
Password inactive                  : never
Account expires                    : Sep 28, 2025
Minimum number of days between password change : 0
Maximum number of days between password change : 1
Number of days of warning before password expires : 7
eddes_14@Redes14: ~$
```

3. Ingrese al usuario creado en el reactivo anterior que renombro en el reactivo anterior y realice lo siguiente:
- 3.1. Ingrese a la ruta de documentos personales,
 - 3.2. Cree el archivo MyPer25B.txt, donde escriba su nombre(s), apellido paterno, apellido materno, ICO UAMEX CU ZUMPANGO, Generación, número de matrícula, Plan Educativo y las UA's de que cursa actualmente,
 - 3.3. Cree un documento con nombre SisOpe25B.txt, el cual contenga una lista de por lo menos cinco de los temas vistos en clase,
 - 3.4. Realice la concatenación de ambos archivos en el archivo SO25B.txt,
 - 3.5. Realice la concatenación de los tres archivos anteriores, en un orden diferente y envíelos a UltCon2025B.txt,

```
alonso@Redes14: ~$ su alonso
Password:
Warning: your password will expire in 1 day.
alonso@Redes14: ~$ sudo mkdir -p ~/Documents
[sudo] password for alonso:
alonso is not in the sudoers file.
alonso@Redes14: ~$ cd ~/Documents
bash: cd: /home/karen/Documents: No such file or directory
alonso@Redes14: ~$ mkdir -p ~/Documents
alonso@Redes14: ~$ cd ~/Documents
alonso@Redes14: ~/Documents$ touch archivo.txt
alonso@Redes14: ~/Documents$ nano MyPer25B.txt
Nombre(s): Yesenia
Apellido paterno: Martinez
Apellido materno: Galvan
ICO UAMEX CU ZUMPANGO
Generación: 2023-2027
Número de matrícula: 2225842
Plan Educativo: Ingeniería en Sistemas Computacionales
Unidades de Aprendizaje actuales:
- Sistemas Operativos
- Administración
- Ciencias de los Datos
- Cálculo
- Robótica
alonso@Redes14: ~/Documents$ nano SisOpe25B.txt
alonso@Redes14: ~/Documents$ cat SisOpe25B.txt
1) comando de seguridad linux
2) Servicios de Linux
3) Gestión de usuarios
4) Instalación y partición
5) ufw
alonso@Redes14: ~/Documents$ cat MyPer25B.txt SisOpe25B.txt > SO25B.txt
alonso@Redes14: ~/Documents$ cat SisOpe25B.txt SO25B.txt MyPer25B.txt > UltCon2025B.txt
alonso@Redes14: ~/Documents$ ls -l
total 16
-rw-r--r-- 1 alonso karen 322 Sep 26 16:05 MyPer25B.txt
-rw-r--r-- 1 alonso karen 428 Sep 26 16:05 SO25B.txt
-rw-r--r-- 1 alonso karen 106 Sep 26 16:08 SisOpe25B.txt
-rw-r--r-- 1 alonso karen 856 Sep 26 16:09 UltCon2025B.txt
-rw-r--r-- 1 alonso karen 0 Sep 26 16:01 archivo.txt
alonso@Redes14: ~/Documents$ cat UltCon2025B.txt
1) comando de seguridad linux
2) Servicios de Linux
3) Gestión de usuarios
4) Instalación y partición
5) ufw
Nombre(s): Yesenia
Apellido paterno: Martinez
```

```
5) ufw
alonso@redes14: /Documents$ cat MyPer25B.txt $ls0pe25B.txt > 5025B.txt
alonso@redes14: /Documents$ cat $ls0pe25B.txt 5025B.txt MyPer25B.txt > UltCon2025B.txt
alonso@redes14: /Documents$ ls -l
total 16
-rw-r--r-- 1 alonso karen 322 Sep 26 16:05 MyPer25B.txt
-rw-r--r-- 1 alonso karen 428 Sep 26 16:09 5025B.txt
-rw-r--r-- 1 alonso karen 106 Sep 26 16:08 $ls0pe25B.txt
-rw-r--r-- 1 alonso karen 856 Sep 26 16:09 UltCon2025B.txt
-rw-r--r-- 1 alonso karen 0 Sep 26 16:01 archivo.txt
alonso@redes14: /Documents$ cat UltCon2025B.txt
1) comando de seguridad Linux
2)Servicios de Linux
3)Gestion de usuarios
4)Instalacion y particion
5) ufw
Nombre(s): Yesenia
Apellido paterno: Martinez
Apellido materno: Galvan
ICO UAMEX CU ZUMPANGO
Generación: 2023-2027
Número de matrícula: 2225842
Plan Educativo: Ingeniería en Sistemas Computacionales
Unidades de Aprendizaje actuales:
- Sistemas Operativos
- Administración
- Ciencias de los Datos
- Cálculo
- Robotica
1) comando de seguridad Linux
2)Servicios de Linux
3)Gestion de usuarios
4)Instalacion y particion
5) ufw
Nombre(s): Yesenia
Apellido paterno: Martinez
Apellido materno: Galvan
ICO UAMEX CU ZUMPANGO
Generación: 2023-2027
Número de matrícula: 2225842
Plan Educativo: Ingeniería en Sistemas Computacionales
Unidades de Aprendizaje actuales:
- Sistemas Operativos
- Administración
- Ciencias de los Datos
- Cálculo
- Robotica
alonso@redes14: /Documents$
```

4. Empleando el usuario del reactivo anterior,
 - 4.1. Conceda los permisos de root a tal usuario,
 - 4.2. Conservando la configuración por default para SSH, muestre la configuración necesaria para conectarse vía SSH,
 - 4.3. Conéctese desde el cliente SHH a su distro Linux con la cuenta y password del usuario al que concedió permisos de root,
 - 4.4. Conectado desde el cliente mueva el archivo UltCon2025B.txt desde el directorio del usuario al directorio home del administrador del SO,
 - 4.5. Ejecute tres diferentes comandos empleados en sus asistencias y cierre su conexión SSH desde el cliente,

```
GNU nano 7.2 /etc/ssh/sshd_config
# configuration must be re-generated after changing Port, AddressFamily, or
# listenAddress.
#
# For changes to take effect, run:
#
#   systemctl daemon-reload
#   systemctl restart ssh.socket
#
# se habilita el puerto por defecto el 22Sep2025 YMG
Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key

# Ciphers and keying
#RekeyLimit default none

# Logging
#syslogFacility AUTH
#LogLevel INFO

# Authentication:

#loginGraceTime 2m
#PermitRootLogin prohibit-password
#StrictModes yes
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes

# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2
#AuthorizedPrincipalsFile none

#AuthorizedKeysCommand none
#AuthorizedKeysCommandUser nobody

# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication

Help Exit Write Out Where Is Cut Paste Execute Justify Location Go To Line Undo Redo Set Mark Copy To Bracket Where Was Previous Next Back Forward
```

```
edex_14@redes14:~$ sudo systemctl status ssh
[sudo] password for edes 14:
+ ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
Active: active (running) since Fri 2025-09-26 15:03:28 CST; 1h 16min ago
TriggeredBy: + ssh.socket
Docs: man:sshd(8)
       man:sshd_config(5)
Process: 188 ExecStartPre=usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
Main PID: 200 (sshd)
Tasks: 1 (limit: 18992)
Memory: 2.0M (peak: 2.0M)
CPU: 20ms
CGroup: /system.slice/ssh.service
        └─200 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Notice: journal has been rotated since unit was started, output may be incomplete.
edex_14@redes14:~$ sudo nano /etc/ssh/sshd_config
edex_14@redes14:~$ sudo usermod -aG sudo alonso
edex_14@redes14:~$ sudo -i
Matching Defaults entries for edes_14 on Redes14:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin,
    use_pty, insults

User edes_14 may run the following commands on Redes14:
    (ALL = ALL) ALL
edex_14@redes14:~$ grep -E '^(Port|PermitRootLogin|PasswordAuthentication)' /etc/ssh/sshd_config
Port 22
edex_14@redes14:~$
```

```
alonso@redes14:~$
login for alonso
alonso@172.17.31.194's password:
Warning: your password will expire in 1 day.
End of banner message from server.
Warning: your password will expire in 1 day.
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.4.07.2-microsoft-standard-WSL2 x86_64)

+ Documentation:  https://help.ubuntu.com
+ Management:     https://landscape.canonical.com
+ Support:        https://ubuntu.com/pro

System information as of Fri Sep 26 16:40:30 CST 2025

System load: 0.04          Processes:      35
Usage of /:  0.5% of 1006.95GB    Memory: 5%
Swap usage:  0%              IPv4 address for eth0: 172.17.31.194

+ Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
  just raised the bar for easy, resilient and secure K8s cluster deployment.
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

alonso@redes14:~$
```



```
edes_14@Redes14:~$ sudo ufw status numbered
[sudo] password for edes_14:
Status: active

To Action From
--
[ 1] 22/tcp ALLOW IN Anywhere
[ 2] 22 ALLOW IN Anywhere
[ 3] 2222 ALLOW IN Anywhere
[ 4] 80/tcp ALLOW IN Anywhere
[ 5] 80 ALLOW IN Anywhere
[ 6] 443 ALLOW IN Anywhere
[ 7] 6000:6007/tcp ALLOW IN Anywhere
[ 8] 6000:6007/udp ALLOW IN Anywhere
[ 9] Anywhere ALLOW IN 192.178.56.238
[10] 22 ALLOW IN 192.178.56.238
[11] Anywhere ALLOW IN 192.178.56.0/24
[12] 22 ALLOW IN 192.178.56.0/24
[13] 80 on eth0 ALLOW IN Anywhere
[14] 3306 on eth1 ALLOW IN Anywhere
[15] 22/tcp (v6) ALLOW IN Anywhere (v6)
[16] 22 (v6) ALLOW IN Anywhere (v6)
[17] 2222 (v6) ALLOW IN Anywhere (v6)
[18] 80/tcp (v6) ALLOW IN Anywhere (v6)
[19] 80 (v6) ALLOW IN Anywhere (v6)
[20] 443 (v6) ALLOW IN Anywhere (v6)
[21] 6000:6007/tcp (v6) ALLOW IN Anywhere (v6)
[22] 6000:6007/udp (v6) ALLOW IN Anywhere (v6)
[23] 80 (v6) on eth0 ALLOW IN Anywhere (v6)
[24] 3306 (v6) on eth1 ALLOW IN Anywhere (v6)
```

6. Empleando el usuario creado con permisos root, muestre la lista de todos los daemos en su distro Linux,

- 6.1. Liste los servicios que tienen el estado _____.
- 6.2. Detenga el servicio _____,
- 6.3. Verifiqué el status del servicio _____,
- 6.4. Habilite el servicio nuevamente y verifique el status del mismo,
- 6.5. Finalmente elimine la cuenta del usuario y el grupo creado para esta evaluación,

```
edes_14@Redes14:~$ sudo systemctl list-units --type=service --all
[sudo] password for edes_14:
UNIT                                LOAD    ACTIVE SUB    DESCRIPTION
apparmor.service                   loaded inactive dead    Load AppArmor profiles
apport-autoreport.service           loaded inactive dead    Process error reports when automatic
apport.service                     loaded inactive dead    automatic crash report generation
apt-daily-upgrade.service           loaded inactive dead    Daily apt upgrade and clean activities
apt-daily.service                   loaded inactive dead    Daily apt download activities
auditd.service                     not-found inactive dead    auditd.service
connman.service                    loaded active running   connman.service
console-getty.service               loaded active running   Console Getty
console-screen.service              not-found inactive dead    console-screen.service
console-setup.service               loaded active exited    Set console font and keymap
cron.service                        loaded active running   Regular background program processing
dbus.service                        loaded active running   D-Bus System Message Bus
display-manager.service             not-found inactive dead    display-manager.service
dmesg.service                       loaded inactive dead    Save initial kernel messages after boot
dpkg-db-backup.service              loaded inactive dead    Daily dpkg database backup service
e2scrub.all.service                 loaded inactive dead    Online ext4 Metadata Check for All Fil
e2scrub_reap.service                loaded inactive dead    Remove Stale Online ext4 Metadata Check
emergency.service                   loaded inactive dead    Emergency Shell
fstm.service                        loaded inactive dead    Discard unused blocks on filesystems
getty-static.service                loaded inactive dead    getty on tty2-tty6 if dbus and login
getty@tty1.service                 loaded active running   Getty on tty1
initrd-clean.service                loaded inactive dead    Cleaning Up and Shutting Down Daemons
initrd-parse-etc.service             loaded inactive dead    Mountpoints Configured in the Real Root
initrd-switch-root.service           loaded inactive dead    Switch Root
initrd-udevadm-cleanup-db.service     loaded inactive dead    Cleanup udev Database
kbd.service                         not-found inactive dead    kbd.service
keyboard-setup.service               loaded active exited    Set the console keyboard layout
kmod-static-nodes.service            loaded active exited    Create List of Static Device Nodes
landscape-client.service              loaded inactive dead    Landscape client daemons
ldconfig.service                    loaded inactive dead    Rebuild Dynamic Linker Cache
logrotate.service                   loaded inactive dead    Rotate log files
man-db.service                      loaded inactive dead    Daily man-db regeneration
modprobe@configfs.service            loaded inactive dead    Load Kernel Module configfs
modprobe@dm_mod.service              loaded inactive dead    Load Kernel Module dm_mod
modprobe@drm.service                loaded inactive dead    Load Kernel Module drm
modprobe@efi_pstore.service           loaded inactive dead    Load Kernel Module efi_pstore
UNIT                                LOAD    ACTIVE SUB    DESCRIPTION
apparmor.service                   loaded inactive dead    Load AppArmor profiles
apport-autoreport.service           loaded inactive dead    Process error reports when automatic reporting is enabled
apport.service                     loaded inactive dead    automatic crash report generation
apt-daily-upgrade.service           loaded inactive dead    Daily apt upgrade and clean activities
apt-daily.service                   loaded inactive dead    Daily apt download activities
auditd.service                     not-found inactive dead    auditd.service
connman.service                    loaded active running   connman.service
console-getty.service               loaded active running   Console Getty
console-screen.service              not-found inactive dead    console-screen.service
console-setup.service               loaded active exited    Set console font and keymap
```



```
modprobe@dm.service loaded inactive dead Load Kernel Module dm
modprobe@efi_pstore.service loaded inactive dead Load Kernel Module efi_pstore
edex_14@edex14: $
edex_14@edex14: $ sudo systemctl list-unit-files --type=service
UNIT FILE STATE PRESET
apparmor.service enabled enabled
apport-autoreport.service static -
apport-coredump-hook@.service static -
apport-forward@.service static -
apport.service enabled enabled
apt-daily-upgrade.service static -
apt-daily.service static -
apt-news.service static -
automount.service alias -
cloud-config.service enabled enabled
cloud-final.service enabled enabled
cloud-init-hotplugd.service static -
cloud-init-local.service enabled enabled
cloud-init.service enabled enabled
console-getty.service enabled-runtime disabled
console-setup.service enabled enabled
container-getty@.service static -
cron.service enabled enabled
cryptdisks-early.service masked enabled
cryptdisks.service masked enabled
dbus-org.freedesktop.hostname1.service alias -
dbus-org.freedesktop.locale1.service alias -
dbus-org.freedesktop.login1.service alias -
dbus-org.freedesktop.resolve1.service alias -
dbus-org.freedesktop.timedate1.service alias -
dbus-org.freedesktop.timesync1.service alias -
dbus.service static -
debug-shell.service disabled disabled
dnsmasq.service enabled enabled
dpkg-db-backup.service static -
e2scrub@.service static -
e2scrub_all.service static -
e2scrub_fail@.service static -
e2scrub_reap.service enabled enabled
emergency.service static -
exam-cache.service static -
edex_14@edex14: $ sudo systemctl list-units --type=service --all --no-pager --no-legend | awk '{print $1, $4}'
apparmor.service dead
apport-autoreport.service dead
apport.service dead
apt-daily-upgrade.service dead
apt-daily.service dead
• inactive
• inactive
console-getty.service running
• inactive
```

```
wsig.service dead
• inactive
edex_14@edex14: $ sudo systemctl list-units --type=service --state=running
UNIT LOAD ACTIVE SUB DESCRIPTION
console-getty.service loaded active running Console Getty
cron.service loaded active running Regular background program processing daemon
dbus.service loaded active running D-Bus System Message Bus
getty@tty1.service loaded active running Getty on tty1
mysqld.service loaded active running MySQL Community Server
rsyslogd.service loaded active running System Logging Service
sshd.service loaded active running OpenSSH Secure Shell server
systemd-journald.service loaded active running Journal Service
systemd-logind.service loaded active running User Login Management
systemd-resolved.service loaded active running Network Name Resolution
systemd-timesyncd.service loaded active running Network Time Synchronization
systemd-udev.service loaded active running Rule-based Manager for Device Events and Files
unattended-upgrades.service loaded active running Unattended Upgrades Shutdown
user@1000.service loaded active running User Manager for UID 1000
user@1001.service loaded active running User Manager for UID 1001
wsl-pro.service loaded active running Bridge to Ubuntu Pro agent on Windows

Legend: LOAD -- Reflects whether the unit definition was properly loaded.
ACTIVE -- The high-level unit activation state, i.e. generalization of SUB.
SUB -- The low-level unit activation state, values depend on unit type.

16 loaded units listed.
edex_14@edex14: $ sudo systemctl --failed
UNIT LOAD ACTIVE SUB DESCRIPTION
0 loaded units listed.
edex_14@edex14: $ sudo systemctl list-units --type=service --state=inactive
UNIT LOAD ACTIVE SUB DESCRIPTION
apparmor.service loaded inactive dead Load AppArmor profiles
apport-autoreport.service loaded inactive dead Process error reports when automatic report
apport.service loaded inactive dead automatic crash report generation
apt-daily-upgrade.service loaded inactive dead Daily apt upgrade and clean activities
apt-daily.service loaded inactive dead Daily apt download activities
• auditd.service not-found inactive dead auditd.service
• conman.service not-found inactive dead conman.service
• console-screen.service not-found inactive dead console-screen.service
• display-manager.service not-found inactive dead display-manager.service
dnsmasq.service loaded inactive dead Save initial kernel messages after boot
dpkg-db-backup.service loaded inactive dead Daily dpkg database backup service
e2scrub_all.service loaded inactive dead Online ext4 Metadata Check for All Filesys
e2scrub_reap.service loaded inactive dead Remove Stale Online ext4 Metadata Check Sn
emergency.service loaded inactive dead Emergency Shell
fstm.service loaded inactive dead Discard unused blocks on filesystems from
getty-static.service loaded inactive dead getty on tty2-tty6 if dbus and login are
initrd-cleanup.service loaded inactive dead Cleaning Up and Shutting Down Daemons
initrd-parse-etc.service loaded inactive dead Mountpoints Configured in the Real Root
initrd-switch-root.service loaded inactive dead Switch Root
```

```

NetworkManager.service not-found inactive dead NetworkManager.service
ovsdb-server.service not-found inactive dead ovsdb-server.service
edex_14@redes14:~$ sudo systemctl stop apache2.service
Failed to stop apache2.service: Unit apache2.service not loaded.
edex_14@redes14:~$ sudo systemctl stop ssh.service
Failed to stop ssh.service: Unit ssh.service not loaded.
edex_14@redes14:~$ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-09-26 16:33:44 CST; 23min ago
   TriggeredBy: ● ssh.socket
                Docs: man:sshd(8)
                  man:sshd_config(5)
   Process: 195 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 216 (sshd)
     Tasks: 1 (limit: 18992)
    Memory: 4.0M (peak: 20.7M)
       CPU: 91ms
    CGroup: /system.slice/ssh.service
            └─216 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Notice: journal has been rotated since unit was started, output may be incomplete.
edex_14@redes14:~$ sudo systemctl enable --now ssh.service
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edex_14@redes14:~$ sudo systemctl enable ssh.service
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edex_14@redes14:~$ sudo systemctl restart ssh.service
edex_14@redes14:~$ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-09-26 16:58:56 CST; 5s ago
   TriggeredBy: ● ssh.socket
                Docs: man:sshd(8)
                  man:sshd_config(5)
   Process: 2479 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 2480 (sshd)
     Tasks: 1 (limit: 18992)
    Memory: 1.3M (peak: 1.6M)
       CPU: 11ms
    CGroup: /system.slice/ssh.service
            └─2480 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 26 16:58:56 Redes14 systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on 0.0.0.0 port 22.
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on :: port 22.
Sep 26 16:58:56 Redes14 systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
edex_14@redes14:~$ sudo deluser usuario TeamScrum
Fatal: The user 'usuario' does not exist.

```

```

TriggeredBy: ● ssh.socket
                Docs: man:sshd(8)
                  man:sshd_config(5)
   Process: 195 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 216 (sshd)
     Tasks: 1 (limit: 18992)
    Memory: 4.0M (peak: 20.7M)
       CPU: 91ms
    CGroup: /system.slice/ssh.service
            └─216 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Notice: journal has been rotated since unit was started, output may be incomplete.
edex_14@redes14:~$ sudo systemctl enable --now ssh.service
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edex_14@redes14:~$ sudo systemctl enable ssh.service
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edex_14@redes14:~$ sudo systemctl restart ssh.service
edex_14@redes14:~$ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-09-26 16:58:56 CST; 5s ago
   TriggeredBy: ● ssh.socket
                Docs: man:sshd(8)
                  man:sshd_config(5)
   Process: 2479 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 2480 (sshd)
     Tasks: 1 (limit: 18992)
    Memory: 1.3M (peak: 1.6M)
       CPU: 11ms
    CGroup: /system.slice/ssh.service
            └─2480 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 26 16:58:56 Redes14 systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on 0.0.0.0 port 22.
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on :: port 22.
Sep 26 16:58:56 Redes14 systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
edex_14@redes14:~$ sudo deluser usuario TeamScrum
Fatal: The user 'usuario' does not exist.

edex_14@redes14:~$ sudo deluser alonso TeamScrum
Info: Removing user 'alonso' from group 'TeamScrum' ...
edex_14@redes14:~$ sudo userdel -r alonso
userdel: user alonso is currently used by process 757
edex_14@redes14:~$ sudo groupdel TeamScrum
edex_14@redes14:~$ getent passwd alonso
alonso:x:1001:1001:Karen Pineda,laboratorio de redes,$$$$55555555,5939145678:/home/karen:/bin/bash
edex_14@redes14:~$ getent group TeamScrum
edex_14@redes14:~$

```

```
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edes_14@Redes14: $ sudo systemctl enable ssh.service
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
edes_14@Redes14: $ sudo systemctl restart ssh.service
edes_14@Redes14: $ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-09-26 16:58:56 CST; 5s ago
 TriggeredBy: ● ssh.socket
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 2479 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
      Main PID: 2480 (sshd)
         Tasks: 1 (limit: 18992)
        Memory: 1.3M (peak: 1.6M)
           CPU: 11ms
      CGroup: /system.slice/ssh.service
              └─2480 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 26 16:58:56 Redes14 systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on 0.0.0.0 port 22.
Sep 26 16:58:56 Redes14 sshd[2480]: Server listening on :: port 22.
Sep 26 16:58:56 Redes14 systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
edes_14@Redes14: $ sudo deluser usuario TeamScrum
fatal: The user 'usuario' does not exist.

edes_14@Redes14: $ sudo deluser alonso TeamScrum
Info: Removing user 'alonso' from group 'TeamScrum' ...
edes_14@Redes14: $ sudo userdel -r alonso
userdel: user alonso is currently used by process 757
edes_14@Redes14: $ sudo groupdel TeamScrum
edes_14@Redes14: $ getent passwd alonso
alonso:x:1001:1001:Karen Pineda,Laboratorio de redes,555555555,5939145678:/home/karen:/bin/bash
edes_14@Redes14: $ getent group TeamScrum
edes_14@Redes14: $ getent passwd alonso
alonso:x:1001:1001:Karen Pineda,Laboratorio de redes,555555555,5939145678:/home/karen:/bin/bash
edes_14@Redes14: $ ps -u alonso
  PID TTY          TIME CMD
edes_14@Redes14: $ sudo kill -u alonso
edes_14@Redes14: $ sudo userdel -r alonso
userdel: alonso mail spool (/var/mail/alonso) not found
edes_14@Redes14: $ getent passwd alonso
edes_14@Redes14: $ ls /home/
-oy  Galvan  Usuario  canny  dos.txt  fonseca  tres.txt  yesMartinez
-oy  0203  02191  02191  02191  02191  02191  02191
edes_14@Redes14: $ sudo groupdel TeamScrum
groupdel: group 'TeamScrum' does not exist
edes_14@Redes14: $
```