CICLO FORMATIVO DE GRADO SUPERIOR DESARROLLO DE APLICACIONES WEB

CURSO 2022/2023

Módulo : Sistemas Informáticos
Práctica : Ejercicios Usuarios Grupos y Permisos
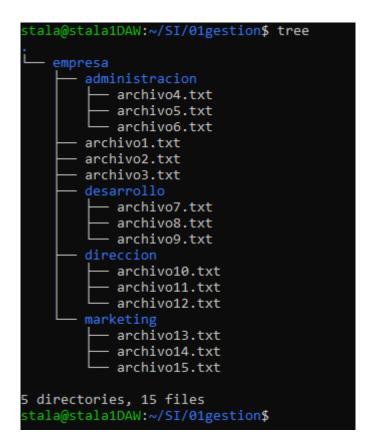

Victor Stala.

Actividad 1. Estructura departamental

Crea la siguiente estructura departamental mediante directorios, es decir, un directorio por cada departamento. Crea primero el directorio "empresa", y dentro de este los demás. Introduce al menos tres archivos en cada directorio (documentos, imágenes, vídeos...). Sitúa la estructura de directorios colgando directamente del directorio raíz (directorio '/') del sistema (se recomienda usar nombres sin mayúsculas y sin tildes):

/empresa
/administración
/desarrollo
/marketing
/dirección

```
stala@stala1DAW:~/SI/01gestion$ tree
.
└── empresa
    ├── administracion
    │   ├── archivo4.txt
    │   ├── archivo5.txt
    │   └── archivo6.txt
    ├── archivo1.txt
    ├── archivo2.txt
    ├── archivo3.txt
    ├── desarrollo
    │   ├── archivo7.txt
    │   ├── archivo8.txt
    │   └── archivo9.txt
    ├── direccion
    │   ├── archivo10.txt
    │   ├── archivo11.txt
    │   └── archivo12.txt
    └── marketing
        ├── archivo13.txt
        ├── archivo14.txt
        └── archivo15.txt

5 directories, 15 files
stala@stala1DAW:~/SI/01gestion$
```

```
Enter the new value, or press ENTER for the default
        Full Name [Bill]: Bill Gates
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser sjobs
Adding user `sjobs' ...
Adding new group `sjobs' (1007) ...
Adding new user `sjobs' (1006) with group `sjobs' ...
Creating home directory `/home/sjobs' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
Sorry, passwords do not match.
passwd: Authentication token manipulation error
passwd: password unchanged
Try again? [y/N] y
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for sjobs
Enter the new value, or press ENTER for the default
        Full Name []: Steve Jobs
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser aturing
Adding user `aturing' ...
Adding new group `aturing' (1008) ...
Adding new user `aturing' (1007) with group `aturing' ...
Creating home directory `/home/aturing' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for aturing
Enter the new value, or press ENTER for the default
        Full Name []: Alan Turing
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser alovelace
Adding user `alovelace' ...
Adding new group `alovelace' (1009) ...
Adding new user `alovelace' (1008) with group `alovelace' ...
Creating home directory `/home/alovelace' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for alovelace
Enter the new value, or press ENTER for the default
        Full Name []: Ada Lovelace
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser eberezin
Adding user `eberezin' ...
Adding new group `eberezin' (1010) ...
Adding new user `eberezin' (1009) with group `eberezin' ...
Creating home directory `/home/eberezin' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for eberezin
Enter the new value, or press ENTER for the default
        Full Name []: Evelyn Berezin
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser kthompson
Adding user `kthompson' ...
Adding new group `kthompson' (1011) ...
Adding new user `kthompson' (1010) with group `kthompson' ...
Creating home directory `/home/kthompson' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for kthompson
Enter the new value, or press ENTER for the default
        Full Name []: Ken Thompson
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ _
```

Actividad 2. Crear usuarios

Crea los siguientes usuarios para cada departamento. Nómbralos con la inicial del nombre y el primer apellido, por ejemplo, Miguel Sánchez sería msanchez (con minúsculas y sin usar tildes ni otros caracteres conflictivos). Guarda al crearlos sus nombres y apellidos completos, y no modifiques el grupo principal de cada usuario (déjalo tal como se crea por defecto: un grupo con el mismo nombre del usuario). Deberás crear seis usuarios, los que se indican a continuación, que se organizarán en la siguiente actividad por departamentos:

- **Administración: Bill Gates y Steve Jobs (encargado).**
- **Desarrollo: Alan Turing y Ada Lovelace (encargada).**
- **Marketing: Evelyn Berezin y Ken Thompson (encargado).**
- **Dirección: tu propio usuario (ya creado).**

```
Enter the new value, or press ENTER for the default
        Full Name [Bill]: Bill Gates
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser sjobs
Adding user `sjobs' ...
Adding new group `sjobs' (1007) ...
Adding new user `sjobs' (1006) with group `sjobs' ...
Creating home directory `/home/sjobs' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
Sorry, passwords do not match.
passwd: Authentication token manipulation error
passwd: password unchanged
Try again? [y/N] y
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for sjobs
Enter the new value, or press ENTER for the default
        Full Name []: Steve Jobs
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser aturing
Adding user `aturing' ...
Adding new group `aturing' (1008) ...
Adding new user `aturing' (1007) with group `aturing' ...
Creating home directory `/home/aturing' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for aturing
Enter the new value, or press ENTER for the default
        Full Name []: Alan Turing
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
```

```
stala@stala1DAW:~/SI/01gestion$ sudo adduser alovelace
Adding user `alovelace' ...
Adding new group `alovelace' (1009) ...
Adding new user `alovelace' (1008) with group `alovelace' ...
Creating home directory `/home/alovelace' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for alovelace
Enter the new value, or press ENTER for the default
        Full Name []: Ada Lovelace
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser eberezin
Adding user `eberezin' ...
Adding new group `eberezin' (1010) ...
Adding new user `eberezin' (1009) with group `eberezin' ...
Creating home directory `/home/eberezin' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for eberezin
Enter the new value, or press ENTER for the default
        Full Name []: Evelyn Berezin
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$ sudo adduser kthompson
Adding user `kthompson' ...
Adding new group `kthompson' (1011) ...
Adding new user `kthompson' (1010) with group `kthompson' ...
Creating home directory `/home/kthompson' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for kthompson
Enter the new value, or press ENTER for the default
        Full Name []: Ken Thompson
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
stala@stala1DAW:~/SI/01gestion$
```

Actividad 3. Grupos de usuarios
Crea un grupo de usuarios para cada departamento (minúsculas y sin caracteres conflictivos) e incluye en cada uno los usuarios que correspondan según se indica en la actividad 2. Se deben añadir los usuarios a los grupos como grupos secundarios, pero no se deben modificar los grupos principales de los usuarios.

```
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G administracion bgates
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G administracion sjobs
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G desarrollo aturing
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G desarrollo alovelace
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G marketing eberezinn
usermod: user 'eberezinn' does not exist
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G marketing eberezin
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G marketing kthompson
stala@stala1DAW:~/SI/01gestion$ sudo usermod -a -G direccion stala
stala@stala1DAW:~/SI/01gestion$
```