

Add And Manage Users with Linux Commands

Case Study:

A new employee with the username `researcher9` joins an organization. You have to add them to the system and continue to manage their access during their time with the organization.

Here's how you'll do this task: **First**, you'll add a new employee to the system and then to their primary group. **Second**, you'll make this employee the owner of a file related to a particular project. **Third**, you'll add the new employee to a supplementary group. **Finally**, you'll delete the employee from the system.

Task 1. Add a new user

A new employee has joined the Research department. In this task, you must add them to the system. The username assigned to them is `researcher9`.

1. Write a command to add a user called `researcher9` to the system.

The command to complete this step:

```
analyst@013663ab9596:~$ sudo useradd researcher9
analyst@013663ab9596:~$
```

Next, you need to add the new user to the `research_team` group.

```
analyst@013663ab9596:~$ sudo usermod -g research_team researcher9
analyst@013663ab9596:~$
```

Task 2. Assign file ownership

The new employee, `researcher9`, will take responsibility for `project_r`. In this task, you must make them the owner of the `project_r.txt` file.

```
analyst@013663ab9596:~$ sudo chown researcher9 /home/researcher2/projects/p
roject_r.txt
analyst@013663ab9596:~$
```

Task 3. Add the user to a secondary group

A couple of months later, this employee's role at the organization has changed, and they are working in both the Research and the Sales departments.

In this task, you must add `researcher9` to a secondary group (`sales_team`). Their primary group is still `research_team`.

```
analyst@013663ab9596:~$ sudo usermod -a -G sales_team researcher9
analyst@013663ab9596:~$
```

Task 4. Delete a user

A year later, `researcher9`, decided to leave the company. In this task, you must remove them from the system.

1. Run a command to delete `researcher9` from the system:

```
analyst@013663ab9596:~$ sudo groupdel researcher9
analyst@013663ab9596:~$
```