

**PROFESSIONAL FAMILY: Computing and communications**

**Vocational education and training (VET) program code: CFGS ICA0**

**VET Program name: Network computer systems administration**

**Academic Year: 23-24**

## **ACTIVITY NAME AND NUMBER**

### **Activity 5 Scheduling tasks. Crontab.**

#### **Goal of the activity**

- Basic ideas about:
  - Scheduling tasks.
  - Cron daemon.
  - Cron job.
  - crontab file
- Learning how to configure and manage scheduled tasks as a:
  - root user
  - standard user

#### **Time to develop the activity**

 4 hours


#### **Methodology and students grouping**

##### **Methodology:**

- Group of students splitted into 2 subgroups each of them a half of the group. One classroom is required for each subgroup
- Seminar and practical exercise.

 **Students grouping:** Individual.

#### **Activity description**

-  Short seminar about:
- Scheduling tasks.
  - Cron daemon.
  - crontab files and cron jobs.

### Practical exercise:

- Creating system cron jobs.
- Checking that system cron jobs work properly.
- Creating user cron jobs.
- Checking that user cron jobs work properly.

### Check that student has:


- understood the goals of this activity.
- reached the goals of this activity.

## Resources to develop this activity

### Online resource with:

- Documentation
- List of tasks the student has to do
- (optional) Forms to fill

 Access (local or cloud) to a Linux operating system.

 Internet and laptops.

## Teachers team role

 Lead the seminar of this activity.

 Help students to do the practical exercise of this activity.

 Get a score for the practical exercise of this activity.

 Feedback to each student.

 Check that each student has understood the goals of the activity.

## Evaluating the activity

### Main features:

- Individual
- Hetero-evaluation (Teachers team evaluate the activity)
- Quantitative (Each student get a mark)
- Qualitative (Feedback and comments to each student).