

**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 3 Managing services. Basic power management.**

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

- Understanding what a service is. Learning how to install and manage services on Linux.  
Learning how to create and install services from scratch on Linux using systemd.
- Understanding the Linux power management system. Learning how to manage the Linux power management system.

#### **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:
  - services.
  - power management.
  - How to install and manage services on Linux.

- How to install and manage services on Linux from scratch.
- The power management system and how to manage it.

🎬 **Practical exercise:**

- Installing, removing and managing services.
- Creating, installing, removing and managing services from scratch.
- Working with the power management system on Linux.

🎬 **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).