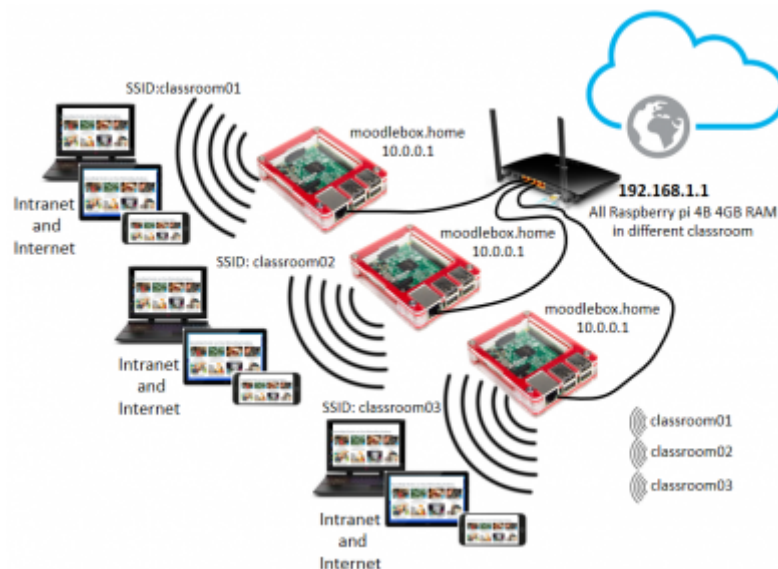# Moodle in a Raspberry Pi

A. Sánchez

Wear Your Moodle Server

Take it to the Classsroom

What hardware do i need?

- Raspberry Pi 4 Model B, 3 Model B+, 3 Model B or 3 Model A+.
- Power supply (depends on the model)
- microSD card of right size (recommended at least 32 GB or more)
- Optional:

- Raspberry Pi case with refrigetarion

Total hardware amount is about 50-80 €

What software?

- Moodlebox is a good choice:
  - download from here

or:

```
wget -c
https://github.com/moodlebox/moodlebox/releases/download/v3.10.0/moodlebox-
3.10.0.img.bz2
```

or:

```
curl -C -
https://github.com/moodlebox/moodlebox/releases/download/v3.10.0/moodlebox-
3.10.0.img.bz2
```

Installing Moodle in a USB stick

1. Buy the hardware
2. Download the MoodleBox disk image
3. Copy the disk image on your microSD card with balenaEtcher, available for Windows, Linux and OS X.
4. Startup your MoodleBox

Starting Up!

- Insert your microSD card into the Raspberry Pi slot and power it up.
- The red LED lights up, and after a few seconds the green LED lights up intermittently.
- If you want, connect the Raspberry PI to the network or to an Internet.
- After the boot, your Moodle is ready and totally functional.

Wifi Connection

- On your device, choose Moodle wireless network. the default password is `moodlebox` (all lowercase).
- You can access to the Moodle environment via browser, using [this address]:(http://moodlebox.home/).
- Your device is offline and can only access resources stored on your device unless it is connected to the internet.

Log in into Moodle

- Connect to Moodle Wi-Fi network (choose MoodleBox wireless network on your network manager)
- When prompted type the password:
    - moodlebox (all lowercase)
- Open http://moodlebox.home/ and log in.
- Credentials are:
    - username: moodlebox
    - password: Moodlebox4$

NOTES on installation

- Once logged, you're Moodle administrator.
- For daily usa it's strongly recommended that you change the default password of the Moodle admin account at the first login.
- The initial Moodle installation has only one account (administrator) and no course is created.
- Moodle environment should be configured by yourself, as well as the management of its contents (resources, activities, etc.).

Some specific conf

- As an administrator, you may change several settings of the access point Wi-Fi settings of the MoodleBox. To do this, visit the MoodleBox dashboard at `Site administration` > `Server` > `MoodleBox` in the administration interface.
- As a normal user, you may access it if necessary via `SSH`, using the address moodlebox.home, using its default credentials:
    - username: moodlebox
    - password: Moodlebox4$