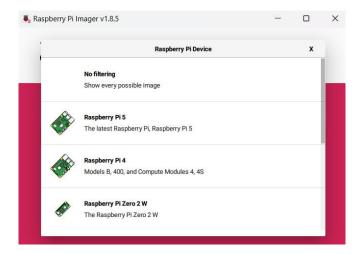
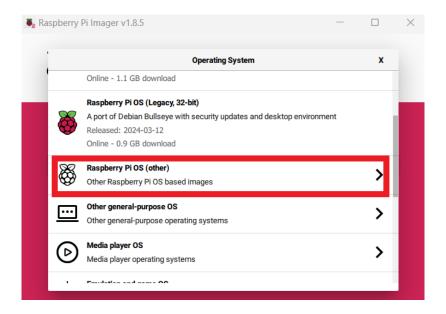
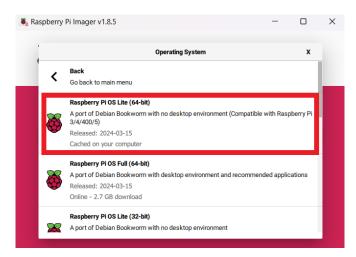
How to install Home Assistant using a Raspberry Pi:

- 1. Remove the SD card of the Raspberry Pi;
- 2. Insert the SD card in a computer with access to internet;
- 3. Download the Raspberry Pi Imager from the Raspberry Pi official website: https://www.raspberrypi.com/software/;
- 4. Open Raspberry Pi Imager;
- 5. Select wich device you wish to use in this tab:

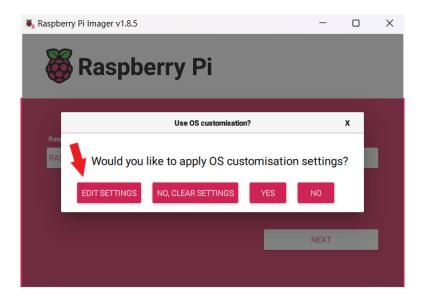


6. The OS used is located in:





7. Confirm your choises and then select the edit settings button:



8. In this next tab choose the names and passwords that you wish to give to your device and confirm the network that you wish to use to communicate with your Raspberry Pi. After these steps hit the save button and start the image installation.



- 9. After the image installation is completed remove the SD card from the computer and insert in the Raspberry Pi again and turn it on;
- 10. Using a computer connected to the network that was previously chosen in the Raspberry Pi Imager, using the command prompt of your computer try to reach the Raspberry using the command: ping -4 chosen_hostname.local;

```
C:\Users\camis>ping -4 raspberrypi5.local

Pinging raspberrypi5.local [192.168.2.3] with 32 bytes of data:

Reply from 192.168.2.3: bytes=32 time=22ms TTL=64

Reply from 192.168.2.3: bytes=32 time=6ms TTL=64

Reply from 192.168.2.3: bytes=32 time=25ms TTL=64

Reply from 192.168.2.3: bytes=32 time=13ms TTL=64

Ping statistics for 192.168.2.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 6ms, Maximum = 25ms, Average = 16ms
```

11. Now it is possible to see the Raspberry Pi address on the chosen network and now we will access the Raspberry Pi using this command: ssh *chosen_name@Raspberry_address* then hit the enter button and insert the chosen password;

```
C:\Users\camis>ssh pi5@192.168.2.3
pi5@192.168.2.3's password:
Linux raspberrypi5 6.6.20+rpt-rpi-v8 #1 SMP PREEMPT Debian 1:6.6.20-1+rpt1 (
2024-03-07) aarch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue May 7 15:47:51 2024 from 192.168.2.2
pi5@raspberrypi5:~ $
```

12. Insert the following command and fix the following parameters: ClientAliveInterval and ClientAliveCountMax mustn't be commented and the first one must have value 1000000 instead of 0. Then save this changes and exit with the controls ctrl+o and ctrl+x respectively;

```
pi5@raspberrypi5:~ × + v — — X
pi5@raspberrypi5:~ $ sudo nano /etc/ssh/sshd_config
```



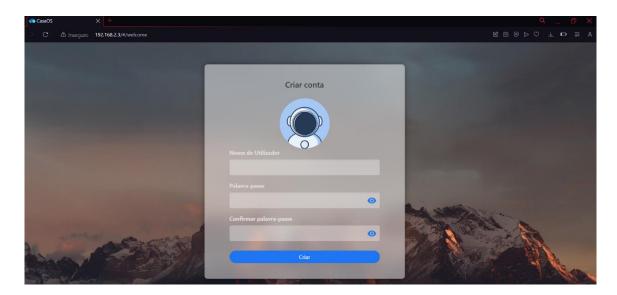
13. Do the commands separately as it is shown in the figure below and as it is possible to see in the last line of the command response if there are packages to upgrade do the following command: sudo apt upgrade;

14. After the upgrade finish copy the following URL that will install Casa.os in your Raspberry Pi that is the image where the application of Home Assistant will be installed on;

```
pi5@raspberrypi5:~ $ curl -fsSL https://get.casaos.io | sudo bash
```

15. After installing Casa.os in your Raspberry Pi do the following commands in your computer prompt to see if the image is running by checking the Active parameter after the command: sudo systemctl status casaos;

16. Insert the IP address of the Raspberry Pi in a new searching tab in your computer and if this is the response that you obtain then the image was successfully installed;



17. After creating your account you will reach the menu that is shown bellow and then in the App Store tab search for the Home Assistant application and install it.



18. After the installation of the Home Assistant, open it's application and create your account. After having a similar menu as the shown bellow your Home Assistant is officially operative.

