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;

A screenshot of a computer

Description automatically generated5. Select wich device you wish to use in this tab:

6. The OS used is located in:

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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.

A screenshot of a computer screen

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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;

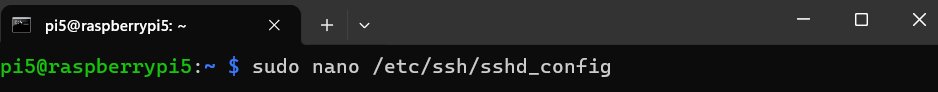
A computer screen shot of a computer program

Description automatically generated10. 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;

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;

A screenshot of a computer error

Description automatically generated

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;

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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;

A computer screen shot of a computer program

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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;

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;

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Description automatically generated16. 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;

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Description automatically generated17. 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.

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