**Installing Hass.io On Full Raspbian (best Personal Installation Method)**

**Step 1: Installing Raspian**

1. Get the full Noobs image
   1. <https://www.raspberrypi.org/downloads/noobs/>
2. Download sd Card formatter
   1. <https://www.sdcard.org/downloads/formatter/>
3. Format the sd Card to 32 bit
4. Extract the files in the Noobs image zip to the Sd Card
5. Put SD card in Rs Pi
6. Swicth on
7. Select Raspbian Full
8. After install
9. Go to preferences and enable
   1. Vnc
   2. Shh
   3. Change the name fo the pi
   4. restart
10. Not if password not changed Default is
    1. pi
    2. raspberry
11. Open terminal
12. Change the sources file
    1. Get reposity mirror link:
       1. Info source : https://pimylifeup.com/raspbian-repository-mirror/
    2. Go to https://www.raspbian.org/RaspbianMirrors
    3. Look for close preferred mirror
    4. My preferred mirror:
       1. http://mirrors.ustc.edu.cn/raspbian/raspbian/
    5. Change reposity sources file
    6. Open the reposity source file by command:
       1. “ sudo nano /etc/apt/sources.list “
    7. Within the file edit the link after the word “deb”
    8. And put your preferred link
    9. Press {CTL+X} to close
    10. Press {Y} to save then {ENTER}
    11. Update your sources list with command:
        1. “ sudo apt-get update”
    12. Reboot Pi
    13. Command:
        1. “ sudo reboot”

**Step 2: INSTALLING HASSIO**

1. Reference link : <https://www.home-assistant.io/hassio/installation/>
2. Go to instruction part :
   1. Alternative: install on a generic Linux host
3. To prepare your machine for the Hass.io installation, run the following commands:
   1. sudo -i
   2. apt-get install software-properties-common
   3. add-apt-repository universe
   4. apt-get update
   5. apt-get install -y apparmor-utils apt-transport-https avahi-daemon ca-certificates curl dbus jq network-manager socat
   6. curl -fsSL get.docker.com | sh
4. The following script will then install Hass.io on a variety of operating systems and machine types.
   1. curl -sL "https://raw.githubusercontent.com/home-assistant/hassio-installer/master/hassio\_install.sh" | bash -s
5. NOTE!!!!!
   1. Some installation types require flags to identify the computer type, for example, when using a Raspberry Pi 3, the flag -- -m raspberrypi3 is required. The install script would then look like this:
      1. curl -sL "https://raw.githubusercontent.com/home-assistant/hassio-installer/master/hassio\_install.sh" | bash -s -- -m raspberrypi3
   2. Other machine types:
      1. intel-nuc
      2. raspberrypi
      3. raspberrypi2
      4. raspberrypi3
      5. raspberrypi3-64
      6. odroid-c2
      7. odroid-cu2
      8. odroid-xu
      9. orangepi-prime
6. keep checking ip.adress :8123
7. wait for to settle about 20 minutes to finish install
8. Since Your Hassio is in Docker You can choose to install Portainer to manage your containers

**Step3: Installing Portainer**

1. Run the following commands:
   1. sudo docker volume create portainer\_data
   2. Sudo docker run -d -p 9000:9000 -v /var/run/docker.sock:/var/run/docker.sock

-v portainer\_data:/data portainer/portainer

1. Open portainer in browser ip.adress:9000