

# ARM64

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# Se procurer l'OS

Raspberry Pi OS 64bits

[https://downloads.raspberrypi.org/raspios\\_lite\\_arm64/images/](https://downloads.raspberrypi.org/raspios_lite_arm64/images/)

# Premières bidouilles

## New Pi password

```
passwd
```

## New root password

```
sudo passwd
```

## Config

```
sudo raspi-config #change gpu, hostname, password, TZ
sudo apt update
sudo apt upgrade -y
sudo reboot now
#(sudo apt update && sudo apt full-upgrade -y)
```

## Check RAM & SWAP

```
free -m
```

## [Remove Pi user](#)

```
sudo adduser steph
sudo adduser steph sudo
sudo cp /etc/sudoers.d/010_pi-nopasswd /etc/sudoers.d/010_steph-nopasswd
sudo chmod u+w /etc/sudoers.d/010_steph-nopasswd
sudo nano /etc/sudoers.d/010_steph-nopasswd (replace pi &gt; steph)
sudo chmod u-w /etc/sudoers.d/010_steph-nopasswd
sudo reboot
```

Then login as your new user

```
sudo deluser -remove-home pi
```

```
sudo rm -vf /etc/sudoers.d/010_pi-nopasswd)
```

# Increase Swap

**1.** Before we can increase our Raspberry Pi's swap file, we must first temporarily stop it.

The swap file cannot be in use while we increase it.

To stop the operating system from using the current swap file, run the following command.

```
xxxxxxxxxx
```

1

```
sudo dphys-swapfile swapoff
```

**2.** Next, we need to modify the swap file configuration file.

We can open this file using nano by using the command below.

```
xxxxxxxxxx
```

1

```
sudo nano /etc/dphys-swapfile
```

**3.** Within this config file, find the following line of text.

You can use `CTRL + w` to search for text within the file.

```
xxxxxxxxxx
```

1

```
CONF_SWAPSIZE=100
```

To increase or decrease the swap file, all you need to do is modify the numerical value you find here.

This number is the size of the swap in **megabytes**.

For example, if we wanted to increase our swap size to **1GB**, we would change that line to the following.



```
xxxxxxxxxx
```

1

```
CONF_SWAPSIZE=1024
```

Whatever size you set, you must have that space available on your SD card.

- 4.** Once you have made the change, save the file by pressing `CTRL + X`, followed by `Y`, then `ENTER`.
- 5.** We can now re-initialize the Raspberry Pi's swap file by running the command below.

Running this command will delete the original swap file and recreate it to fit the newly defined size.

```
xxxxxxxxxx
```

1

```
sudo dphys-swapfile setup
```

**6.** With the swap now recreated to the newly defined size, we can now turn the swap back on.

To start the operating systems swap system, run the following command.

```
xxxxxxxxxx
```

1

```
sudo dphys-swapfile swapon
```

While the new swapfile is now switched on, programs will not know that this new memory exists until they restart.

**7.** If you want all programs to be reloaded with access to the new memory pool, then the easiest way is to restart your device.

To restart your Raspberry Pi, all you need to do is run the command below.

```
xxxxxxxxxx
```

1

```
sudo reboot
```

# Install Open Media Vault

```
wget -O - https://github.com/OpenMediaVault-Plugin-Developers/installScript/raw/master/install  
| sudo bash  
sudo reboot now
```

Go to local IP

Default login : admin

Default password : openmediavault

- General settings > Change port to 82
- reconnect
- General settings > Auto logout > 60min
- General settings > Web admin > change password
- Check Time Zone
- Notifications
- fail2ban plug in
- Disks > Select > Wipe
- File systems > create > select hd > name Files > format > mount
- Shared folders > add > Files > select hd > Everyone read/write
- Shared folders > add > Config > select hd > Everyone read/write
- Shared folders > add > Databases > select hd > Everyone read/write
- Shared folders > add > Nextcloud > select hd > Everyone read/write
- SMB/CIFS : Enable / Shares > add > choose Files + config etc... > Public : only guests

Check dans windows : [\\192.168.x.x](#) et drag & drop

# Install Docker et Portainer

OMV-Extras : install docker + portainer