Raspberry Pi OS Setting (Window)

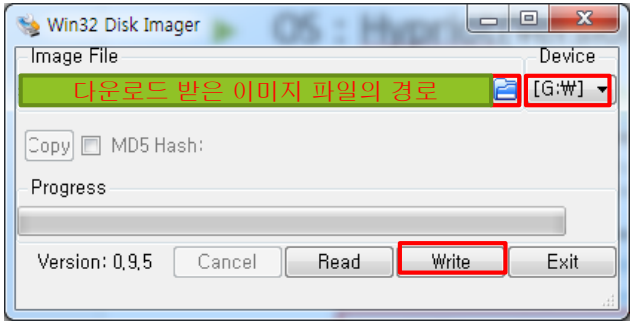
- OS : Hypriot(Version : 1.4.0)
  - Download Site : http://blog.hypriot.com/downloads/

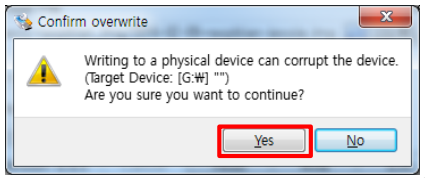
Hypriot Docker Image for Raspberry Pi

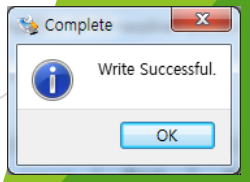
Download and flash this image to your SD card.
Start your Pi with the flashed SD card and enjoy instant Docker awesomeness.

Description	Download Link	Description	Published
Version 1.4.0	hypriotos-rpi-v1.4.0.img.zip Checksum	Docker 17.03.0-ce, kernel 4.4.50	19.03.2017

  - 압축을 푼 후 img 파일을 Win32 Disk Imager 를 이용하여 SD카드에 쓰기. (https://sourceforge.net/projects/win32diskimager/)







Raspberry Pi OS Setting (Ubuntu Linux)

- OS : Hypriot(Version : 1.4.0)
  - Download and unzip OS Image

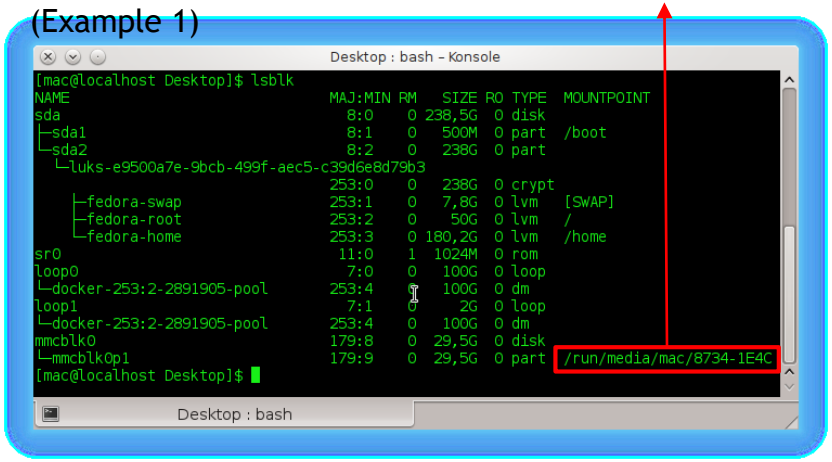
    $ wget https://github.com/hypriot/image-builder-rpi/releases/download/v1.4.0/hypriotos-rpi-v1.4.0.img.zip

    $ unzip hypriotos-rpi-v1.4.0.img.zip
  - Unmount SD Card

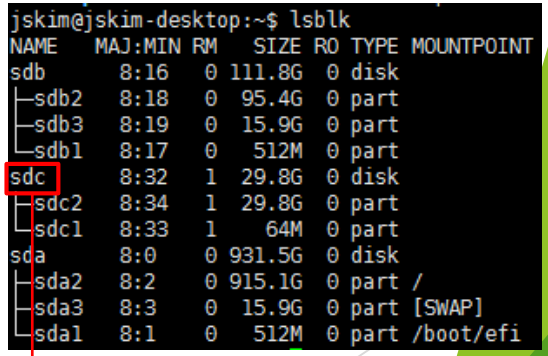
    $ lsblk

    $ umount /run/media/mac/8734-1E4C

(Example 1)



(Example 2)



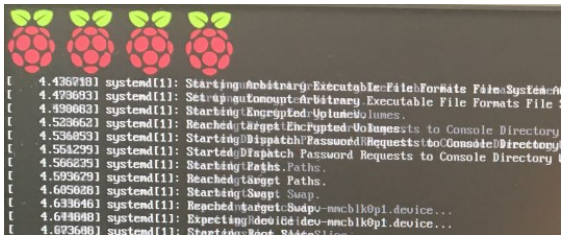
- Flash the downloaded image to SD card

  $ sudo dd if=hypriotos-rpi-v1.4.0.img of=/dev/sdc bs=1M

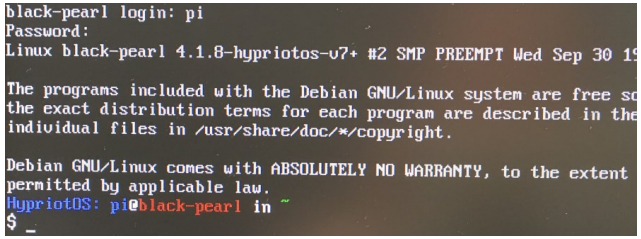
https://blog.hypriot.com/getting-started-with-docker-and-linux-on-the-raspberry-pi/

Raspberry Pi Environment Setting

- Micro SD 카드에 Hypriot OS 설치가 완료되면 Pi2에 삽입 후 부팅



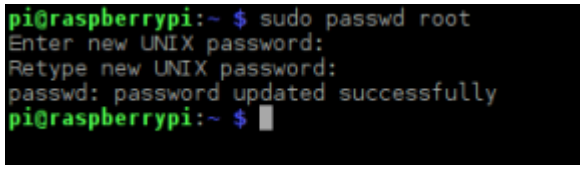
loading 화면



CLI 환경으로 부팅되면 성공
Login ID : pirate
Password : hypriot

- Root password 변경
  - package 설치, RPM upgrade, 시스템 관리를 위해 필요

$sudo passwd root



  - password 입력시 * 표시가 나오지 않지만 입력되고 있으니 걱정하지 말 것
  - root password는 꼭 기억할 것!!!
  - login ID인 pirate 계정의 password 도 변경하도록 하자. **$passwd**

Raspberry Pi IP address Setting

- Raspberry Pi IP address 설정을 위해 필요한 파일(편집은 root 만 가능)
  - /etc/network/interfaces

$cd /etc/network
$sudo vi interfaces

```
#iface eth0 inet dhcp ← # 은 주석
auto eth0
iface eth0 inet static
address 172.29.0.X ← ip address
netmask 255.255.255.0 ← subnet mask
gateway 172.29.0.254 ← Gateway
```

  - 입력 예

```
HypriotOS: pi@black-pearl in ~
$ cd /etc/network/
HypriotOS: pi@black-pearl in /etc/network
$ sudo vi interfaces
```

```
auto lo
iface lo inet loopback

#allow-hotplug eth0
#iface eth0 inet dhcp

auto eth0
iface eth0 inet static
        address 172.29.1.9
        netmask 255.255.255.0
        gateway 172.29.1.254
```

Raspberry Pi IP address Setting

- Raspberry Pi IP address 설정을 위해 필요한 파일
  - /etc/resolv.conf

$cd /etc/
$sudo vi resolv.conf

```
# nameserver config
nameserver 203.237.32.100
nameserver 203.237.32.101
```

기존의 nameserver 는 #을 추가하여 주석처리

```
# nameserver config
#nameserver 213.133.98.98
#nameserver 213.133.99.99
#nameserver 213.133.100.100

nameserver 203.237.32.100
nameserver 203.237.32.101
```

$sudo /etc/init.d/networking restart 입력 또는 rebooting 후 network 확인
$sudo reboot (rebooting command)

```
$ sudo /etc/init.d/networking restart
[....] Restarting networking (via systemctl): networking.serviceWarni
ce changed on disk, 'systemctl daemon-reload' recommended.
. ok
HypriotOS: pi@black-pearl in /etc
```