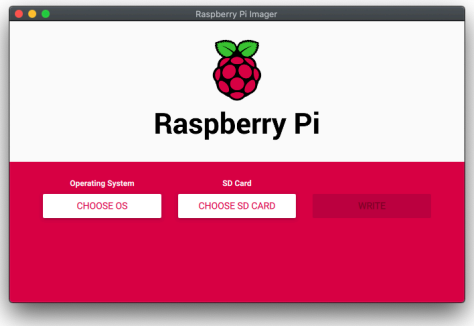
OpenMediaVault for Raspberry Pi

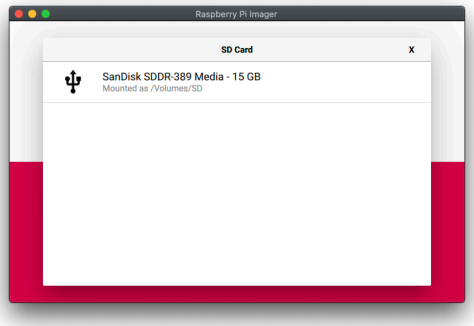
Requirements:
Raspberry Pi - any will work, as long as it has network connection
Network Connection - best if wired
Linux / Mac / Windows 10 device for OS installation and SSH
Ethernet Cable - optional if going wireless
SD Card - 16 GB or more
Storage Devices - SSDs, HDDs, USB flashdrives, etc.
Display - HDMI
Mouse and Keyboard

OPTIONAL:
Case with fan

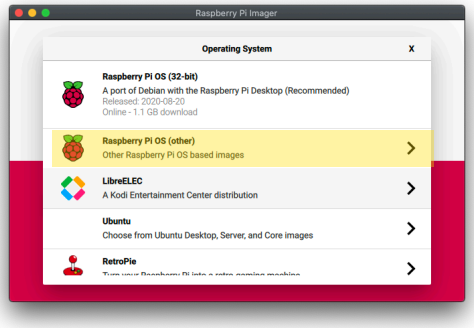
1. Download the Raspberry Pi Imager (RPI Imager) from raspberrypi.org (https://www.raspberrypi.org/downloads/) It is available for Mac, Linux and Windows.
2. Plug the SD card into the Linux / Mac / Win 10 device. Open up the RPI Imager.



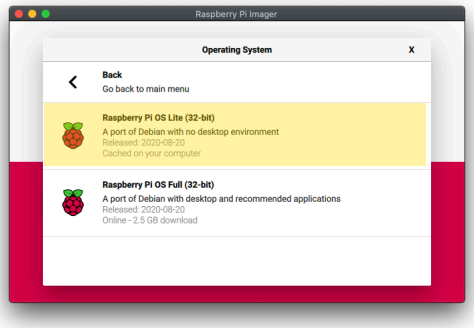
3. Once opened, choose the SD card.



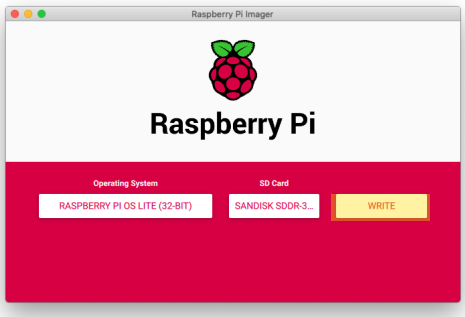
4. Click Choose OS and select Raspberry Pi OS (other)



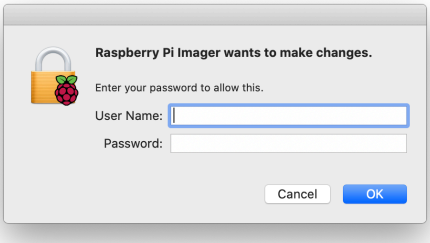
5. Choose Raspberry Pi OS Lite (32-bit)



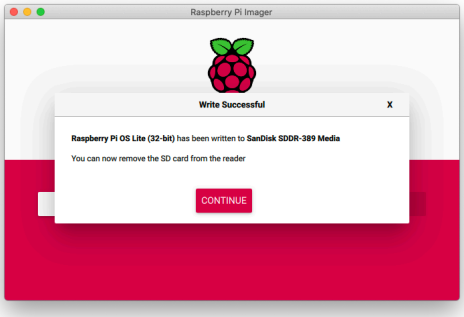
6. Click WRITE



7. It may ask for your username and password. Please enter them.



8. It will take some time to write (depending on how fast your SD card is). When it's done, eject if needed and plug into Raspberry Pi. The SD card slot is on the underside of the Raspberry Pi (thin, silver slit).



9. Plug in all the cables. HDMI, keyboard and mouse, power. (Ethernet is optional).
10. After booting, the terminal should show up. It will ask for your login info. It is recommended that you change the password later.
    Raspberry pi login: pi
    Password: raspberry

SSH (optional but recommended):

After logging in, type these commands:

```
sudo systemctl enable ssh
sudo systemctl start ssh
```

Alternatively, you can type

```
sudo raspi-config
```

Under Interfacing Options
Choose SSH
<Yes> to enable SSH server

Reboot. After reboot, type. Remember the output of this command. (It is the IP address)

```
hostname -I
```

Type in the HOST COMPUTER NOT RASPBERRY PI (do not include <> when typing in command)

```
ssh pi@<whatever ip adress>
```

Enter the pi's password and it should connect via SSH.

Optional SSH done

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1. Connect to wifi if needed. Wired is best. (Tutorial here (currently not done))
2. Type these 4 commands. The upgrade might take a while. Start a Blender model or something.

```
sudo apt-get update
sudo apt-get upgrade -y
sudo rm -f /etc/systemd/network/99-default.link
sudo reboot
```

Installing OMV

1. Type (the script may take up to +30 min)

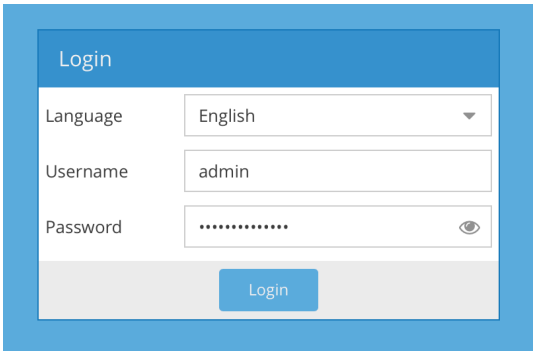
```
wget -O - https://github.com/OpenMediaVault-Plugin-Developers/
installScript/raw/master/install | sudo bash
```

Setting up OMV

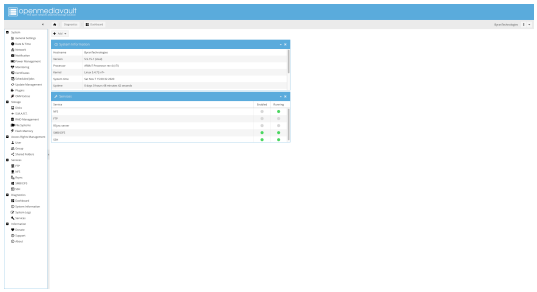
1. On the Raspberry Pi, run

```
hostname -I
```

2. Enter the output IP address into a browser.
3. Enter admin login. By default,
   username: admin
   password: openmediavault



4. You should be greeted with the web GUI:



5. To learn more about setting up, follow this tutorial (currently unfinished)