Flash a SD Card

Necessary tools

Some tools are needed:

• A SD card. On the Raspberry Pi computer, all the software is on a SD Card. Thus the first step is to write the firmware (the software of the device) to the SD card.



Warning : the SD card will be totally over-written, so this SD card will be used only for the Raspberry Pi. Don't forget to backup your Node-RED files if you update

- A Windows or Macintosh computer (with a SD port to access the SD card)
- The firmware,
- A particular application for the computer to write the SDCard.

Download the firmware

The firmware is a very big file (many Gb) that is downloaded from the cloud and then written on the SDCard that will then be inserted in the Raspberry Pi. As this firmware runs on the Pi, it is the same if you use Windows or Macintosh.

Download the image from the TimeSquAir when site, using the Download menu.

Download the application to write the firmware on the SD card

On Windows, download the application Disk Imager:

 http://sourceforge.net/projects/win32diskimager/files/Archive/Win32DiskImager-0.9.5-binary.zip/download

On Macintosh:

• http://alltheware.wordpress.com/2012/12/11/easiest-way-sd-card-setup/

alltheware.wordpress.com/2012/1	12/11/easiest-way-sd-card-setup/	\$
	Posted on 11 de December de 2012	
All the	SD card setup – Raspberry Pi – Mac	
(*)Ware	If you use a Mac i create a app for you. It's very simple. Don't need to use lines in terminal.	
	RPi-sd card builder v1.2 (new link 2-1-2014) if it ask for a key it is eD9dtFpoKnbZqP1hkvrv43_Pvc9xadMVxRP2K-M8n88	
several platforms	enadt.bokupzds.uwatAt?bacaxagmaxks5k-imouoo	
P Search	-bugs reported removed -Now you have to select a .img file. not the .zip like the old version	
	-rivov you have to select a ling life, not the up line the old version	
	How the app works?	
	1. Run the app.	
	Select the operating system distributions (.img file).	
	El Brann 27 Mari El Noras El Induito	
	Ler Ler Mentale	
	3. You will prompt whit this. After you connect your sd card press continue.	

Write the firmware to the Pi SD card

A common mistake is to flash the zip file to the SDCard: it should be unzipped first !!!

On Windows

- 1 : Extract the content of the firmware from the zip file (It works well with Bitser or WinRAR on Windows and Stuffit on Mac but other zip software should work but be aware that the generic unzipper provided with Windows/Mac does not extract the file for an unknown reason!!). We try to zip another way for next release.
- 2 : Extract the content of the SD Disk Imager from the zip file
- 3 : Put the SD card into the SD port of the computer
- 4 : Launch the Disk Imager application
- 5 : Choose the unzipped firmware
- 6 : Choose the destination Device to be the SD Card and **NOT** any other hard drive

\$	Win32	2 Disk Image	er –	×	
Image File				Device	
TheThingBox-XX.img					
Copy MD5 Hash:					
Version: 0.9	Cancel	Read	Write	Exit	

• 7 : Choose Write and be patient

Finally, the SD card is ready to use.

On Macintosh

• 1 : Extract the firmware and the rpi-sd card builder.zip

- 2 : Launch SD card builder
- 3 : Select the firmware to write
- 4 : Choose the SD card on which to flash the Pi image, confirm and enter the password if requested

000					
Select Sd Card	1				
Valeur					
/dev/dis	k1s2 242Gi 217Gi 25Gi 90% 568647				
localhost:/BGNaOpXjvTYJt4G2u70uF4 111Gi 111Gi 0Bi 100%					
	iPatx-Capsule.local/Patxi 2.7Ti 1.8Ti 939Gi 67% 48				
/dev/dis					
/dev/dis					
☑ /dev/dis	k6s1 30Gi 2.7Mi 30Gi 1% 0				
Tout sélect	tionner Ne rien sélectionner OK				
	Password				
	You now need to enter the password				
	for the currently logged in account:				
A A	joao				
	This account must have Administrator				
	access to this computer.				
	access to this compater.				
	OK Cancel				
	Cancel				

• 5 : SD card setup is flashing the Pi image on the SD card. Be patient Finally, the SD card is ready to use.