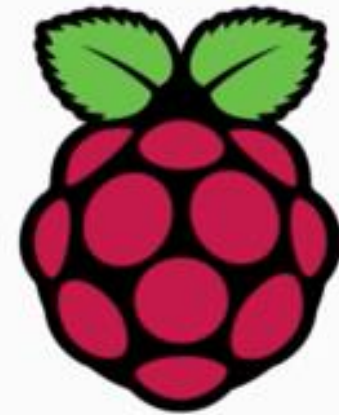
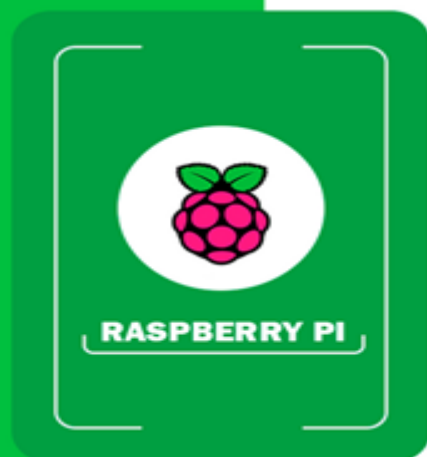


RASPBERRY PI OS

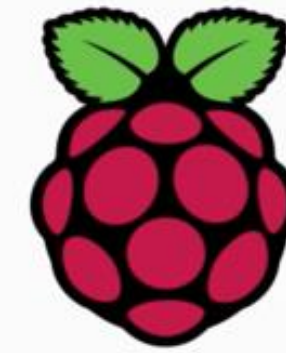


Raspberry Pi OS

- Raspberry Pi OS (antes Raspbian) es un sistema operativo libre y gratuito basado en Debian y optimizado para el hardware de la Raspberry Pi.



COMPATIBILIDAD



Raspberry Pi OS

Product	Processor	ARM core	Debian/Raspbian ARM port (maximum)	Architecture width
Raspberry Pi 1	BCM2835	ARM1176	arm6hf	32 bit
Raspberry Pi 2	BCM2836	Cortex-A7	armhf	32 bit
Raspberry Pi Zero	BCM2835	ARM1176	arm6hf	32 bit
Raspberry Pi Zero 2	BCM2710	Cortex- A53	arm64	64 bit
Raspberry Pi 3	BCM2710	Cortex- A53	arm64	64 bit
Raspberry Pi 4	BCM2711	Cortex- A72	arm64	64 bit

- No incluyen la Raspberry pi pico



RASPBERRY PI

Instalación de Raspbian en Raspberry Pi

Qué necesitamos?

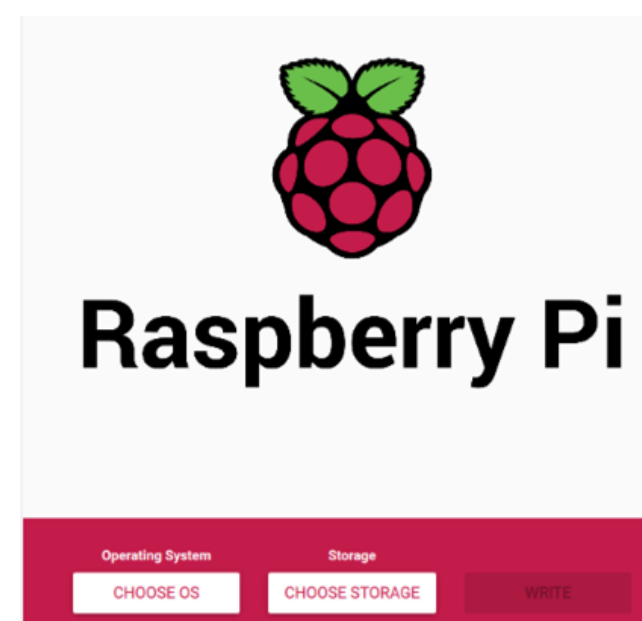
HARDWARE



SOFTWARE



sd formater



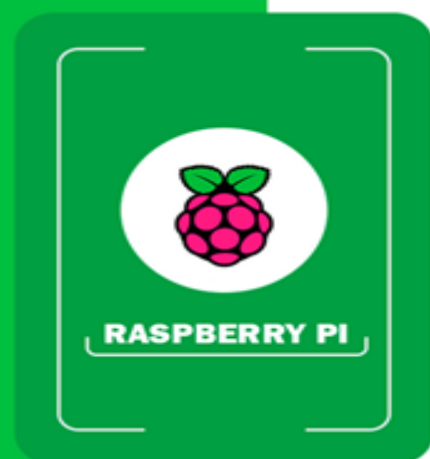
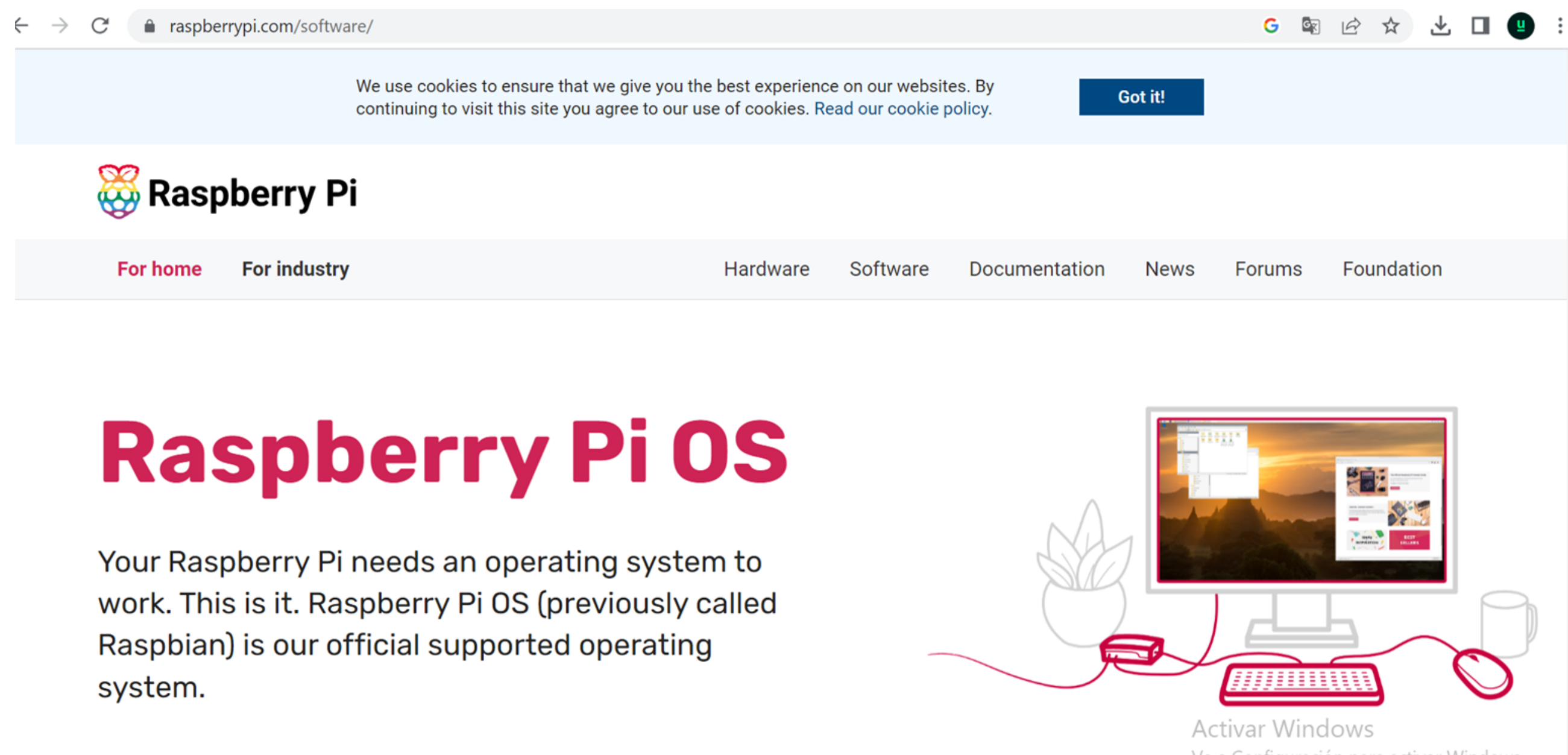
Raspberry pi imager



Sistema operativo

y ahora que?
Debemos descargar el sistema operativo

<https://www.raspberrypi.com/software/>



Manually install an operating system image

Browse a range of operating systems provided by Raspberry Pi, and download them to install manually.

[See all download options](#)



Raspberry Pi OS (64-bit)

Compatible with:

3B 3B+ 3A+ 4 400
CM3 CM3+ CM4
Zero 2 W

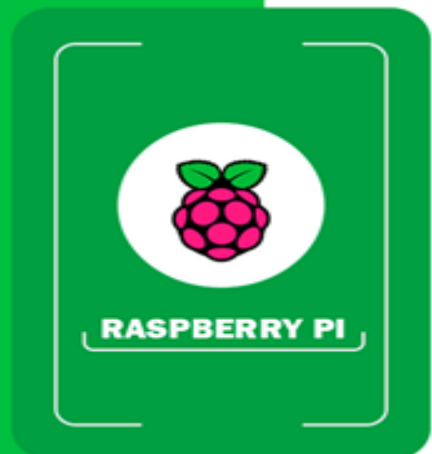
Raspberry Pi OS with desktop

Release date: May 3rd 2023
System: 64-bit
Kernel version: 6.1
Debian version: 11 (bullseye)
Size: 818MB
[Show SHA256 file integrity hash:](#)
[Release notes](#)



[Download](#)

[Download torrent](#)

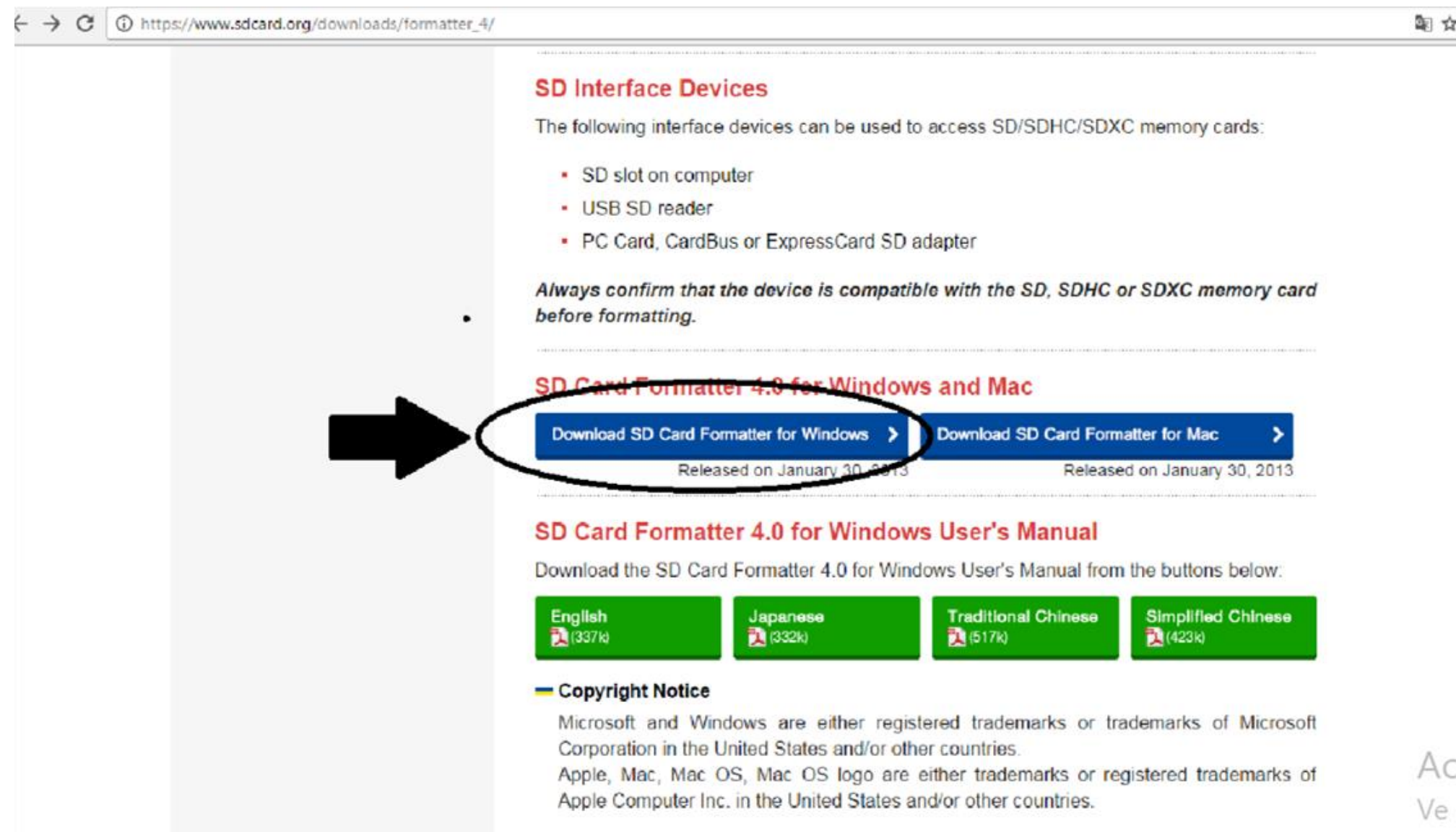
[Archive](#)



Descomprimimos el archivo

	2023-05-03-raspios-bullseye-arm64.img	9/07/2023 14:13	Archivo de imagen d...	4,308,992
	2023-05-03-raspios-bullseye-arm64.img.xz	9/07/2023 14:13	Archivo WinRAR	837,96

Ahora que tenemos el Raspberry pi OS vamos a formatear la memoria : <https://www.sdcard.org/downloads/formatter/>



SD Interface Devices

The following interface devices can be used to access SD/SDHC/SDXC memory cards:

- SD slot on computer
- USB SD reader
- PC Card, CardBus or ExpressCard SD adapter

Always confirm that the device is compatible with the SD, SDHC or SDXC memory card before formatting.

SD Card Formatter 4.0 for Windows and Mac

Download SD Card Formatter for Windows > Download SD Card Formatter for Mac >

Released on January 30, 2013 Released on January 30, 2013

SD Card Formatter 4.0 for Windows User's Manual

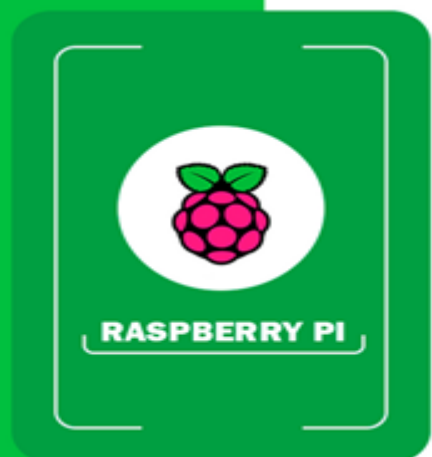
Download the SD Card Formatter 4.0 for Windows User's Manual from the buttons below:

English (337k) Japanese (332k) Traditional Chinese (517k) Simplified Chinese (423k)

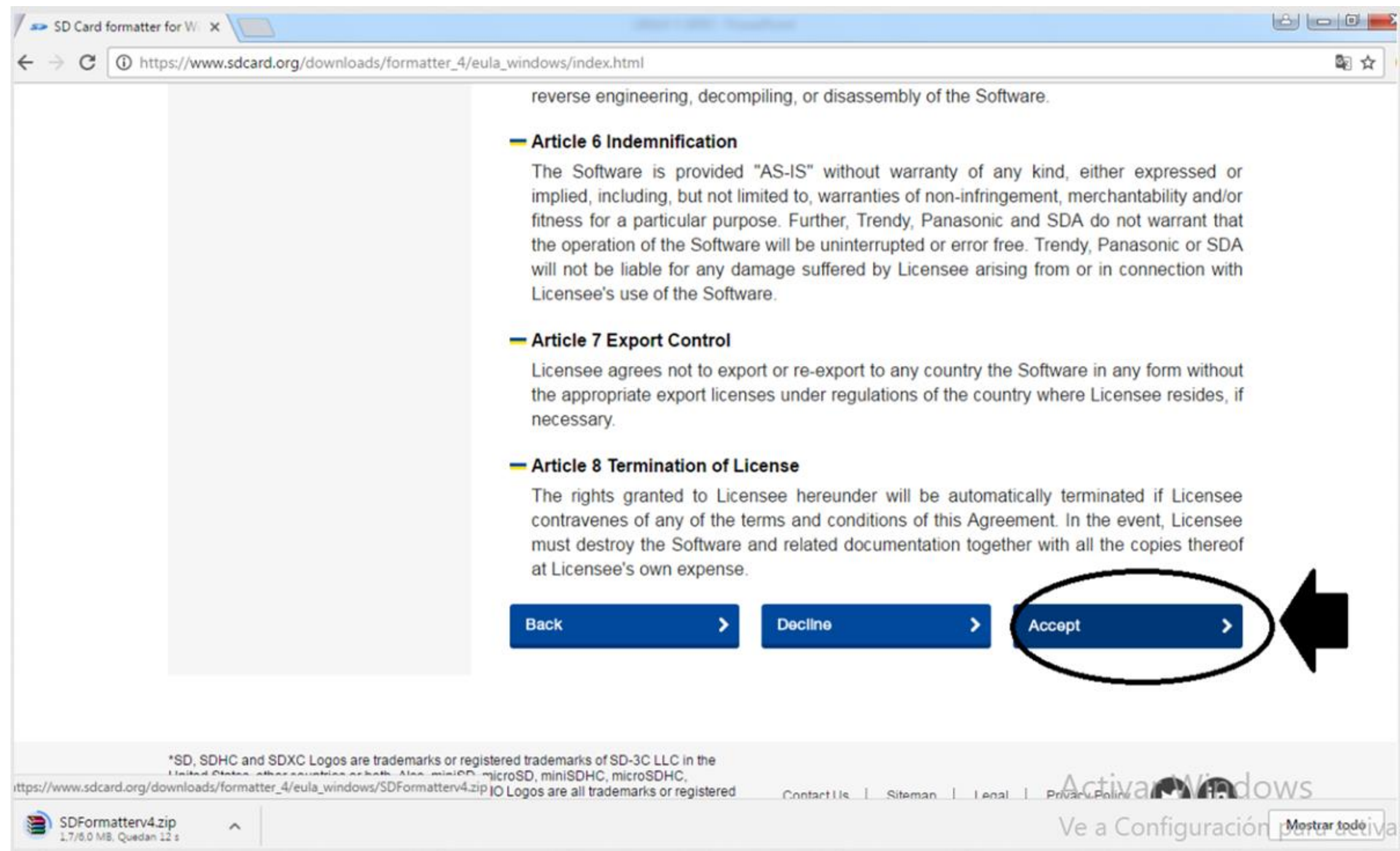
Copyright Notice

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

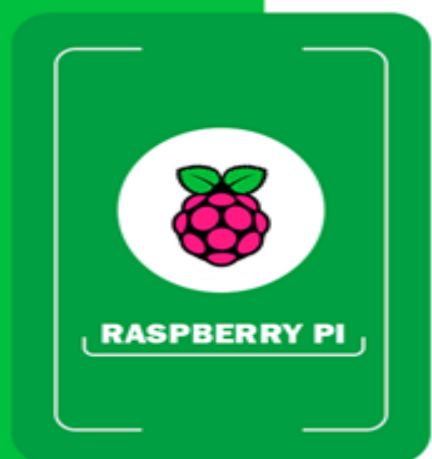
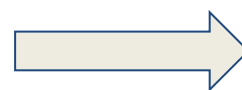
Apple, Mac, Mac OS, Mac OS logo are either trademarks or registered trademarks of Apple Computer Inc. in the United States and/or other countries.



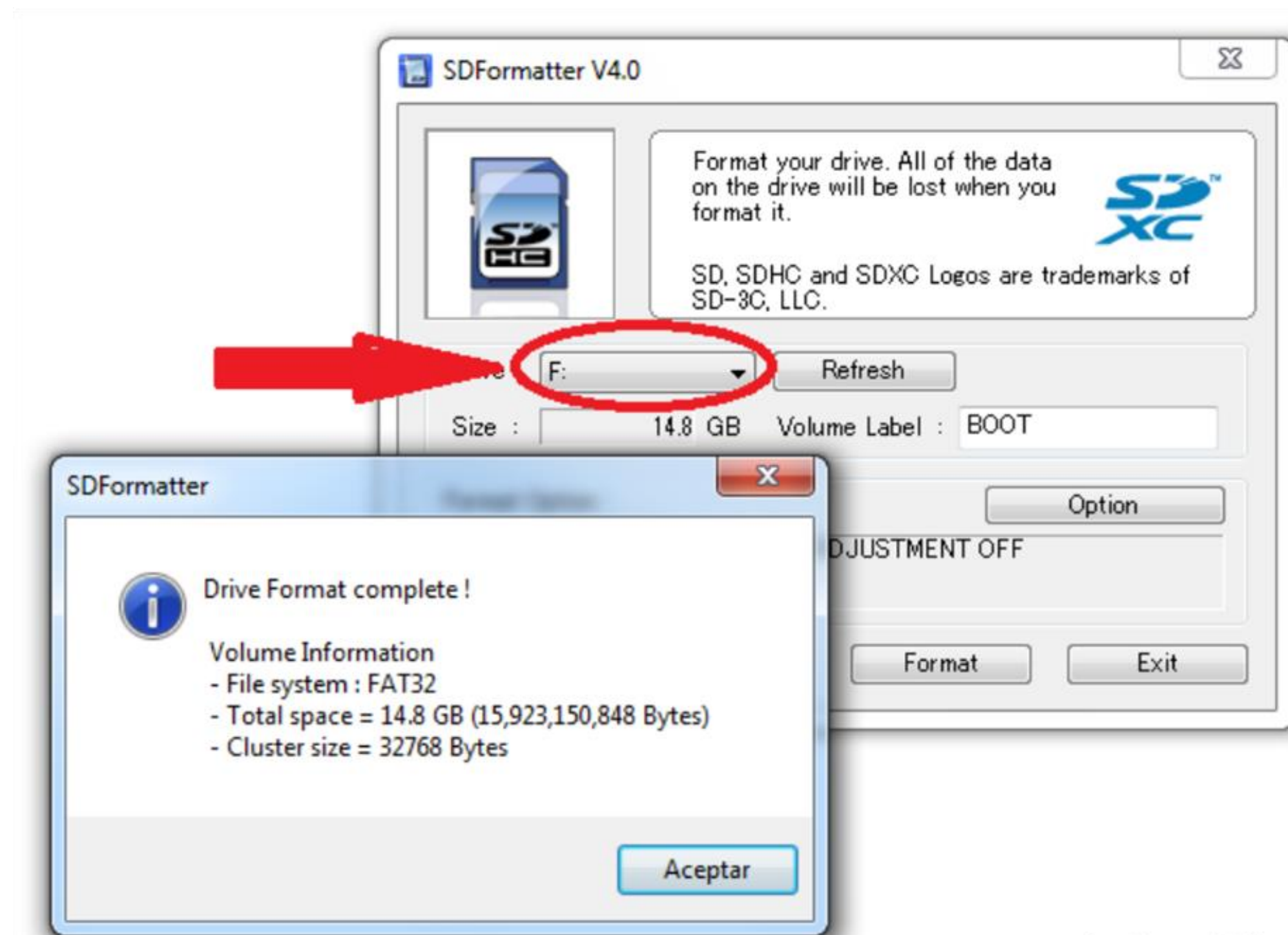
Act
Ve a



Después de instalar
aparecerá esto en
el escritorio



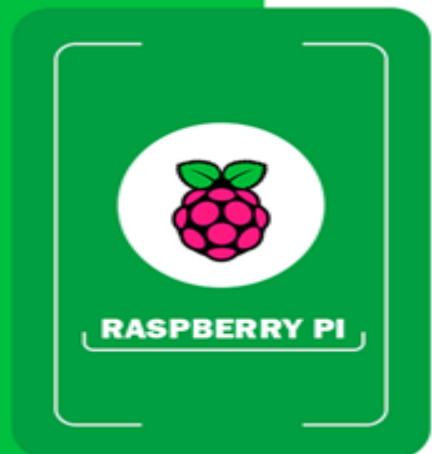
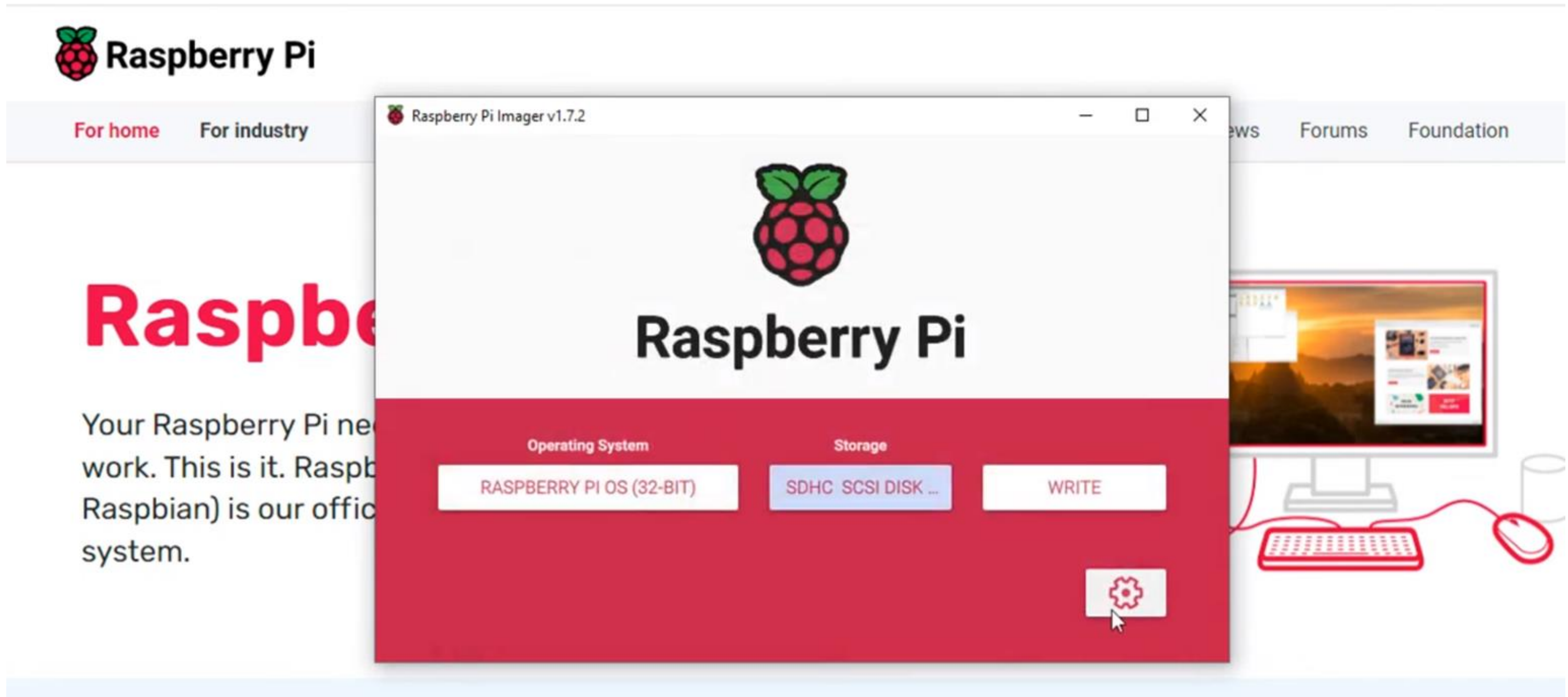
Después a formatear y listo



Activar Window



Montaremos ahora el SO a la memoria, usaremos Raspberry Pi Imager



Raspberry Pi

For industry

spbe

Raspberry Pi ne
his is it. Raspb
n) is our offic

Raspberry Pi Imager v1.7.2

Advanced options

Image customization options for this session only

☐ Set hostname: raspberrypi .local

☐ Enable SSH

☐ Use password authentication

☐ Allow public-key authentication only

Set authorized_keys for 'pi':

☐ Set username and password

SAVE

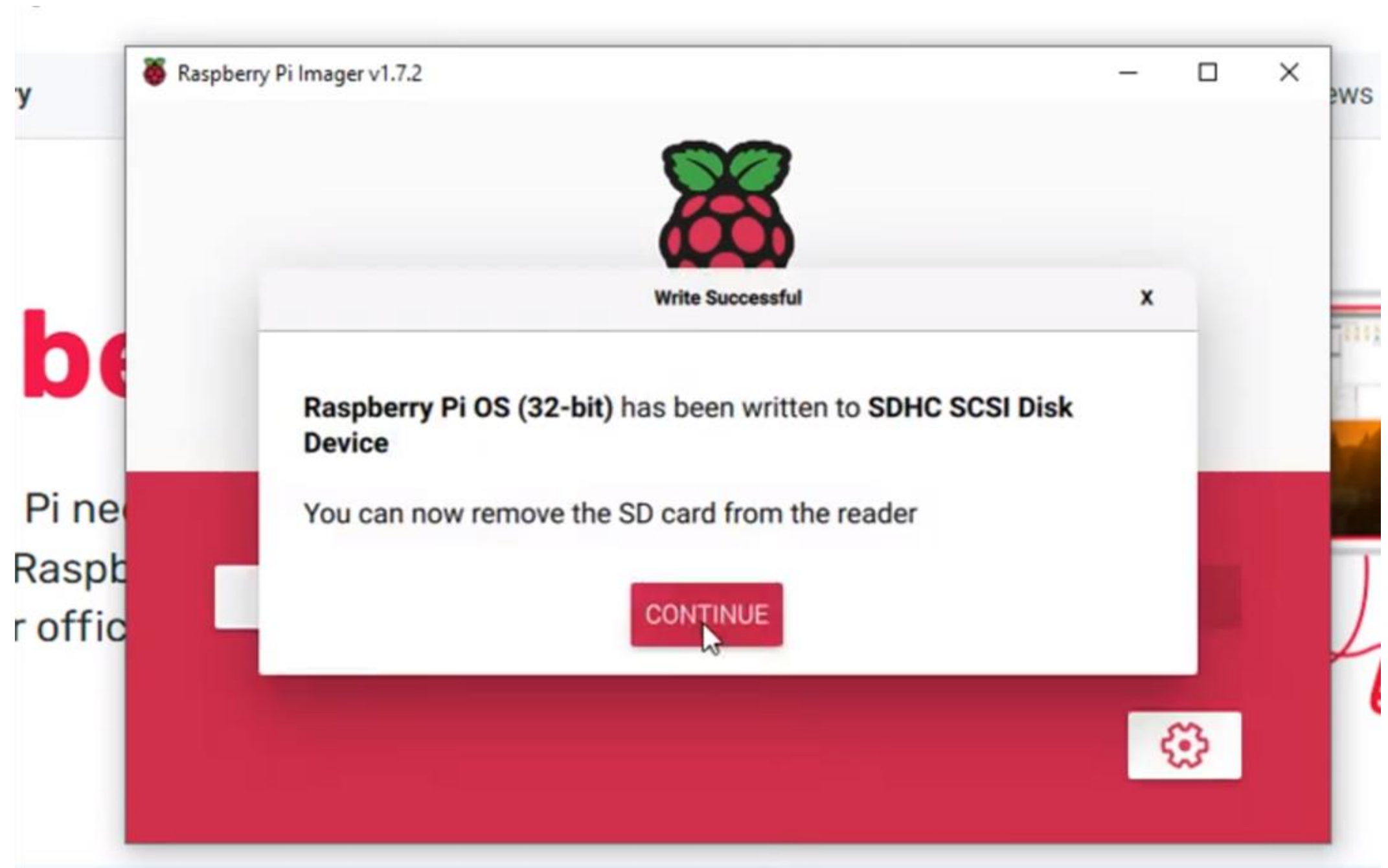
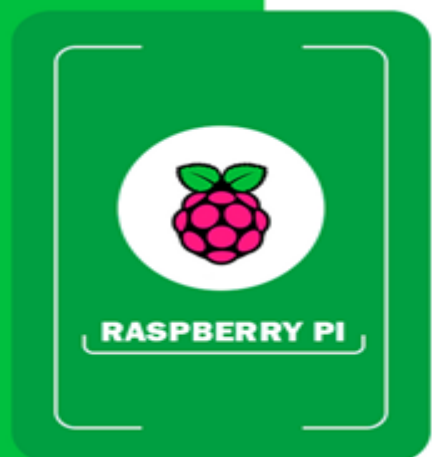
ews

Forums

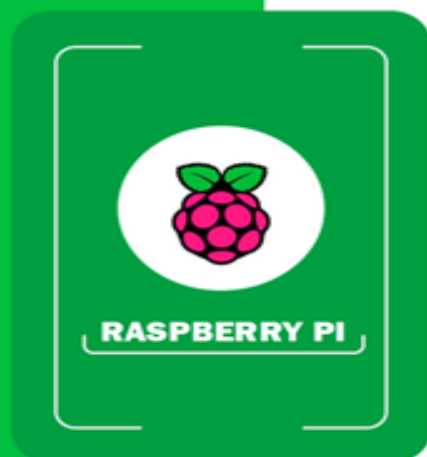
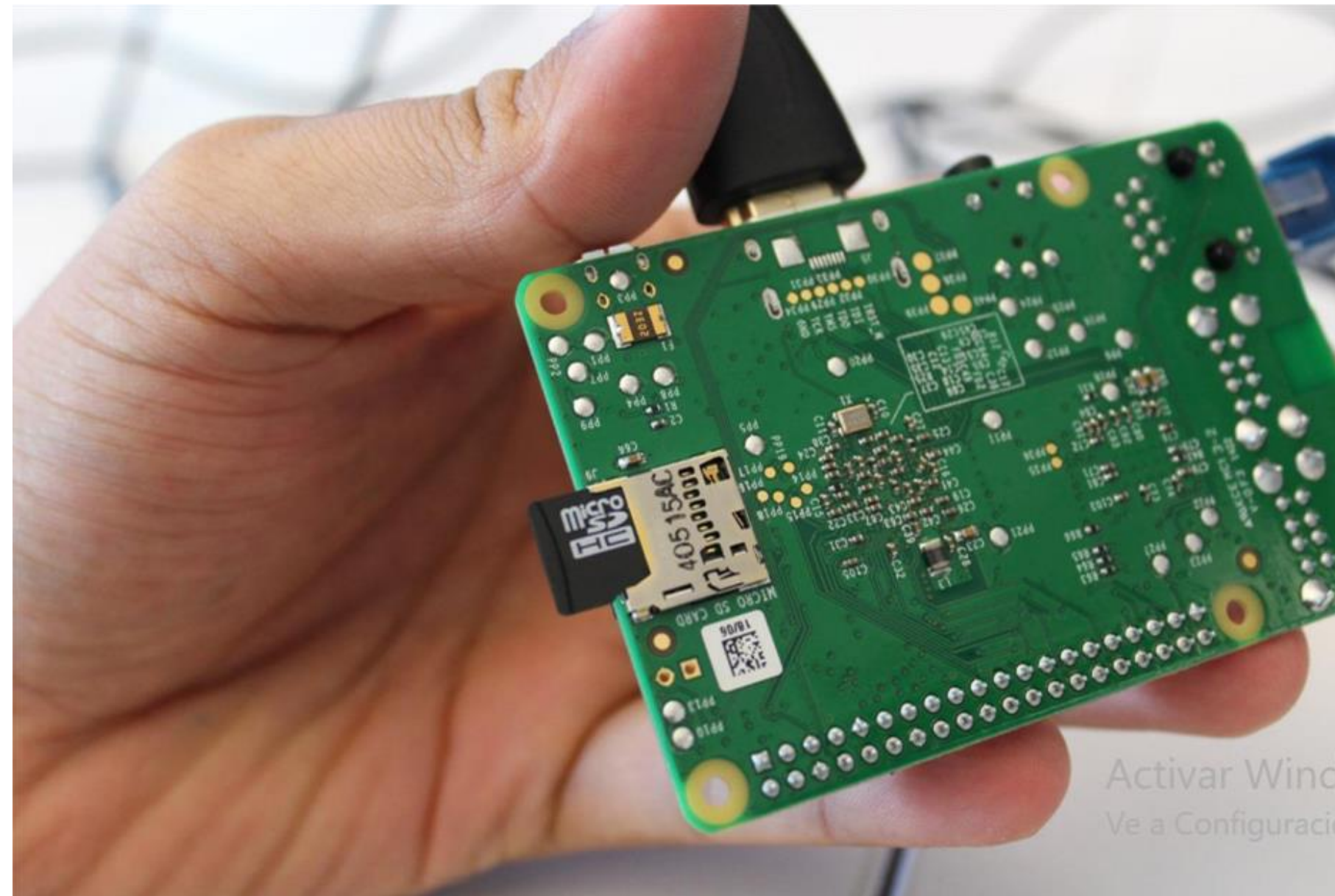


RASPBERRY PI

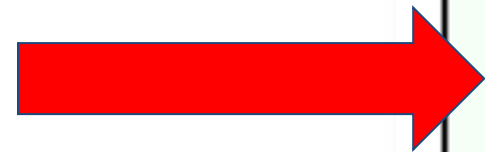
Damos click en
escribir y eso
seria todo ,
esperamos y damos
finalmente en
continue



Ahora insertamos la memoria y luego
la fuente de 5v



Para acceder vía SSH necesitaremos putty



Download PuTTY: latest

www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

MSI ('Windows Installer')

32-bit:	putty-0.68-installer.msi	(or by FTP)	(signature)
64-bit:	putty-64bit-0.68-installer.msi	(or by FTP)	(signature)

Unix source archive

.tar.gz:	putty-0.68.tar.gz	(or by FTP)	(signature)
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Alternative binary files

The installer packages above will provide all of these (except PuTTYtel), but you can download them one by one if you prefer.

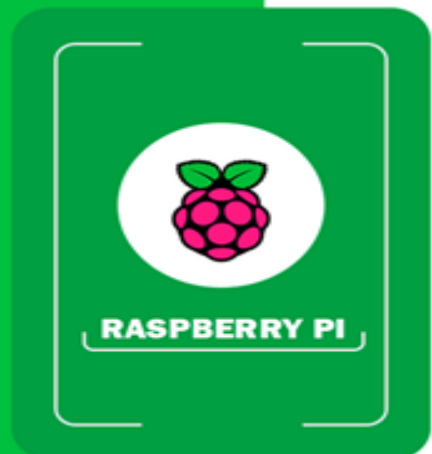
(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

putty.exe (the SSH and Telnet client itself)

32-bit:	putty.exe	(or by FTP)	(signature)
64-bit:	putty.exe	(or by FTP)	(signature)

pscp.exe (an SCP client, i.e. command-line secure file copy)

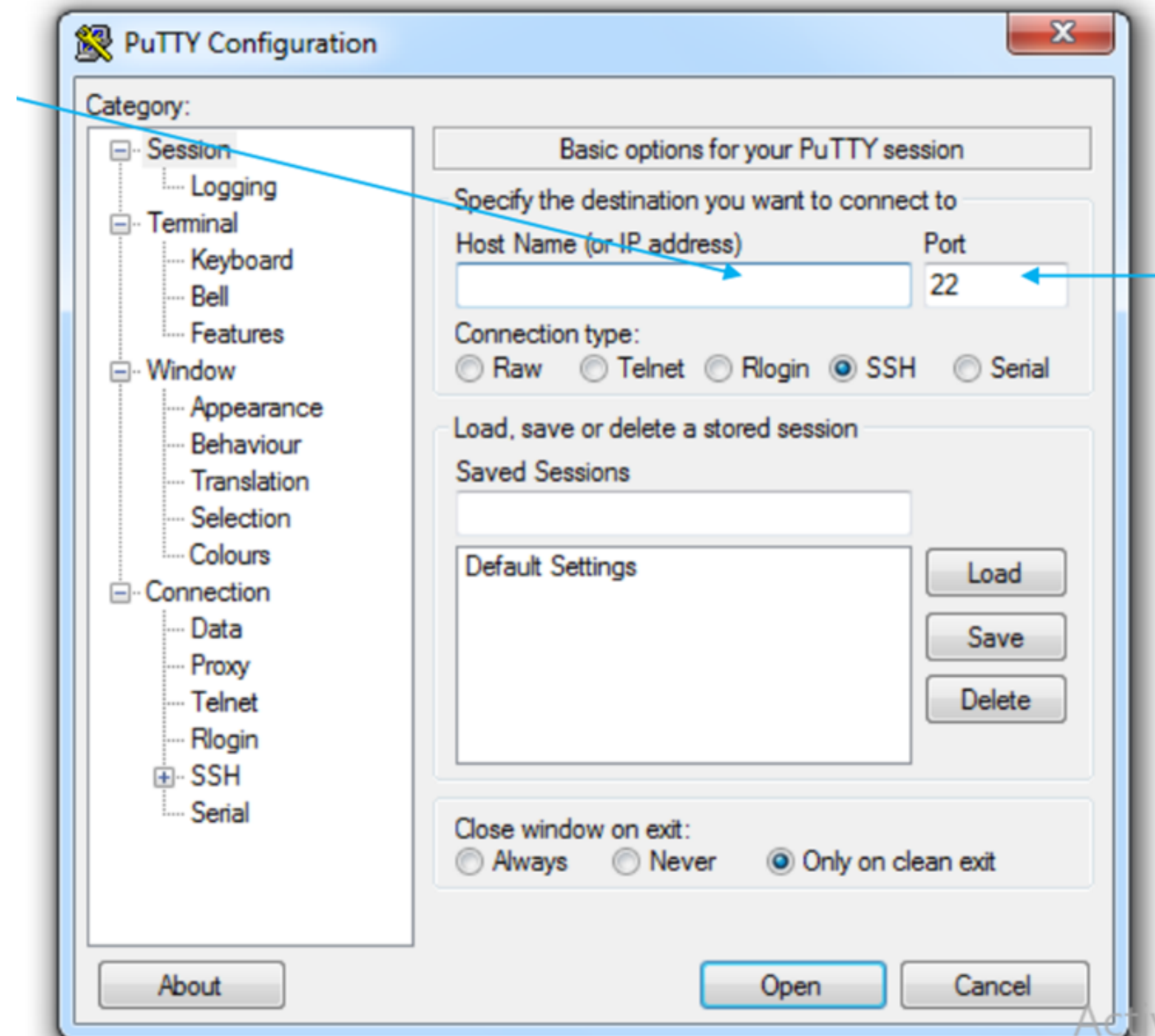
32-bit:	pscp.exe	(or by FTP)	(signature)
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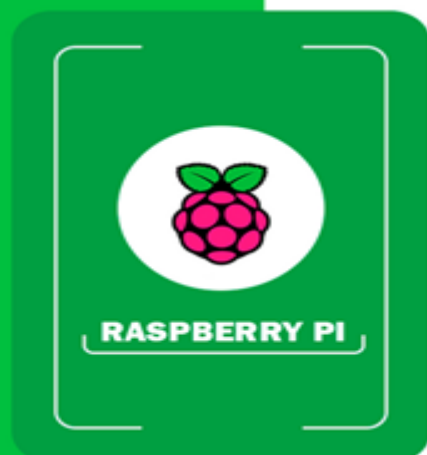
Activar Windows
Ve a Configuración para activar Windows

Ahora entramos a la Raspberry

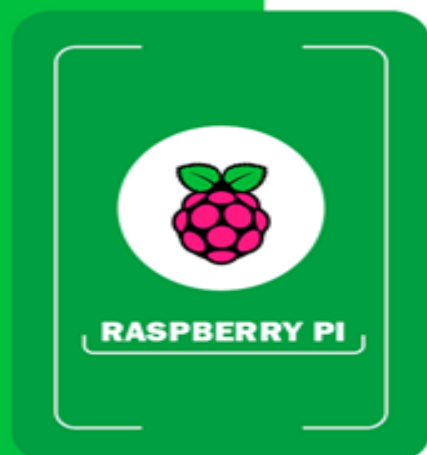
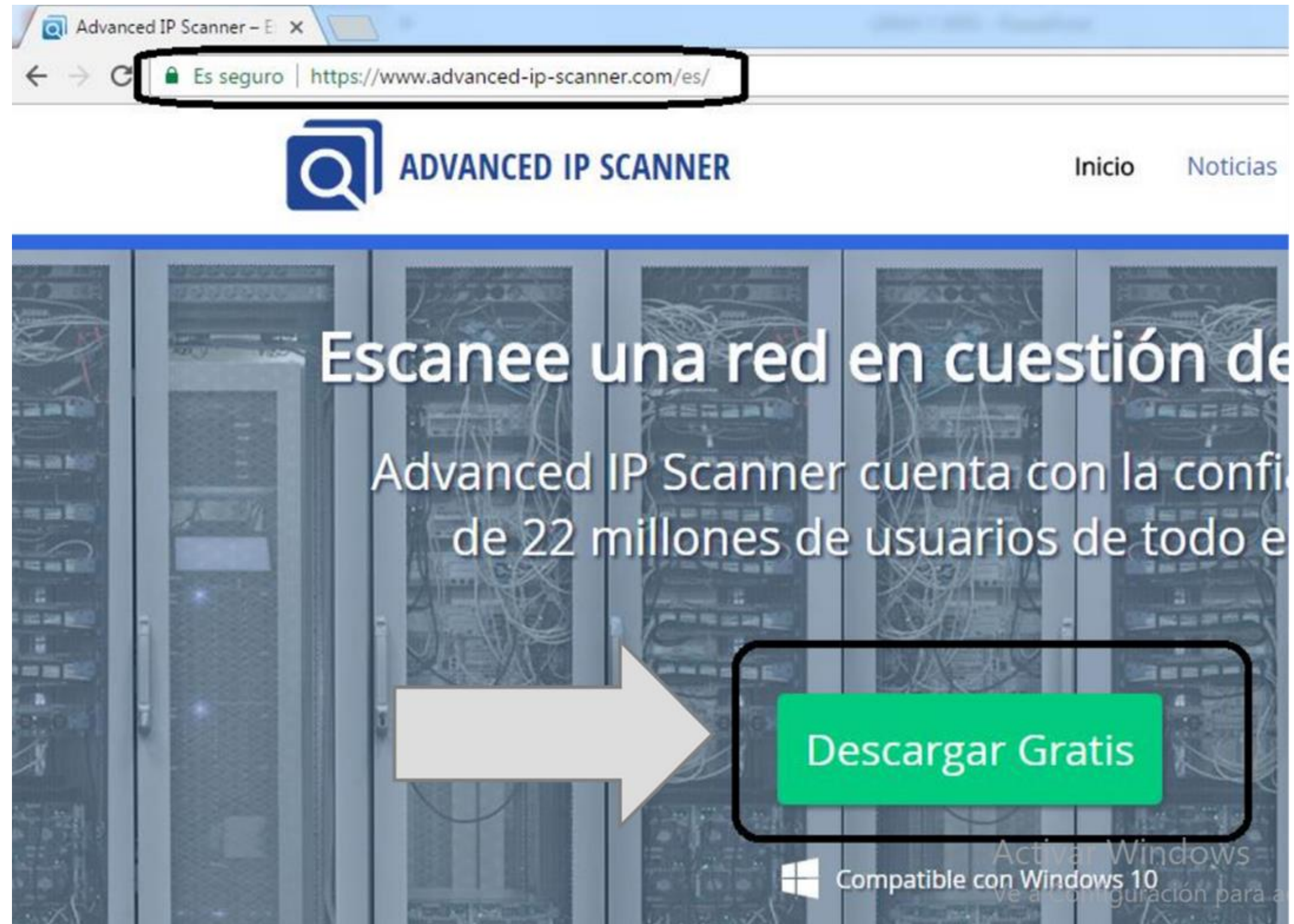
IP de
raspberry



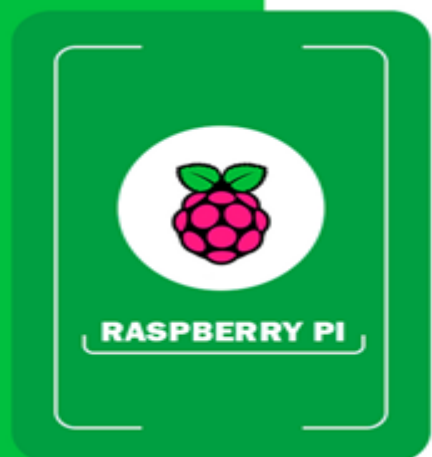
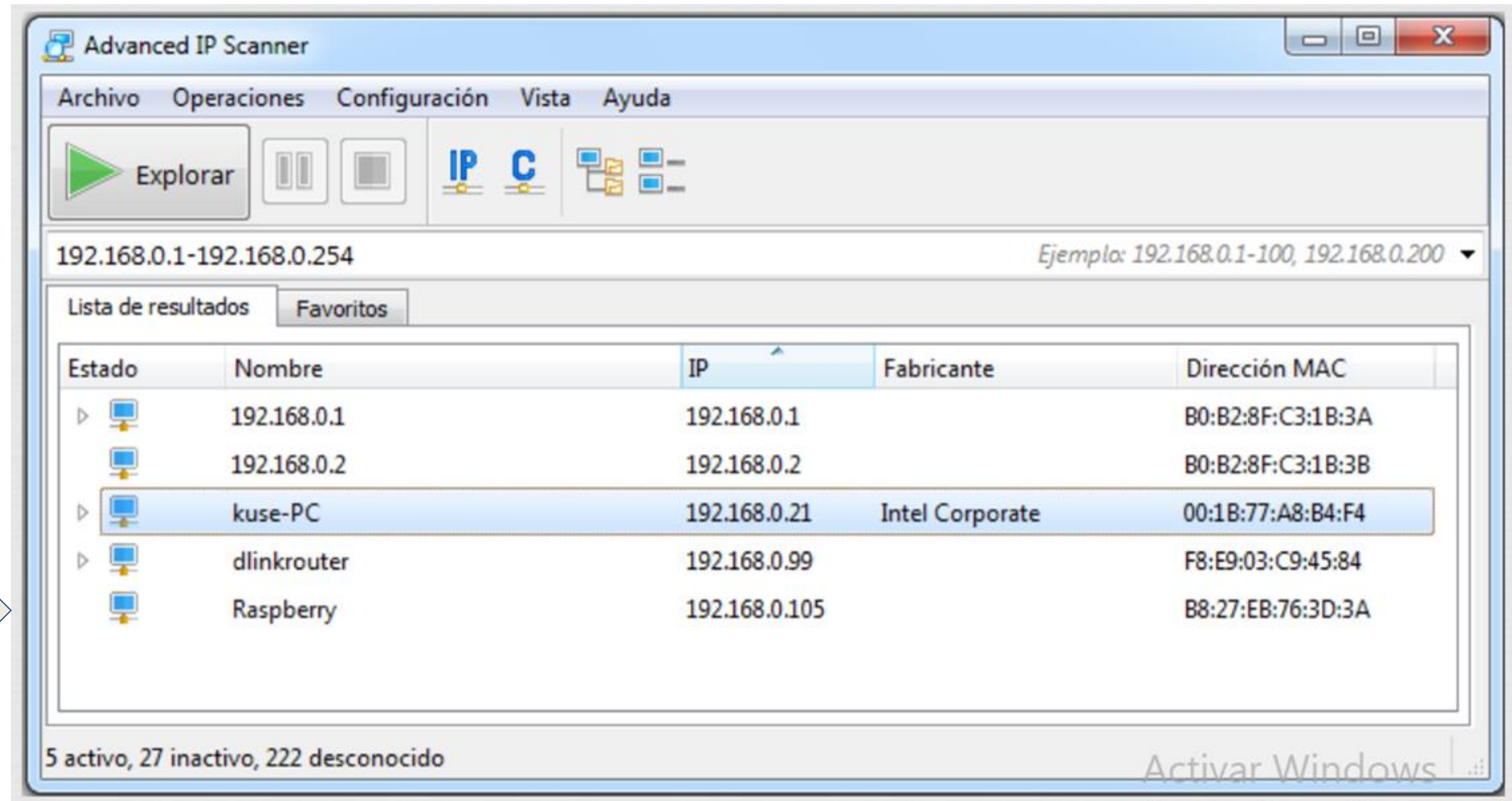
PUERTO



Para saber la IP escaneamos la Red
<https://www.advanced-ip-scanner.com/es/>



Daremos click a explorar y ubicaremos nuestra raspberry pi

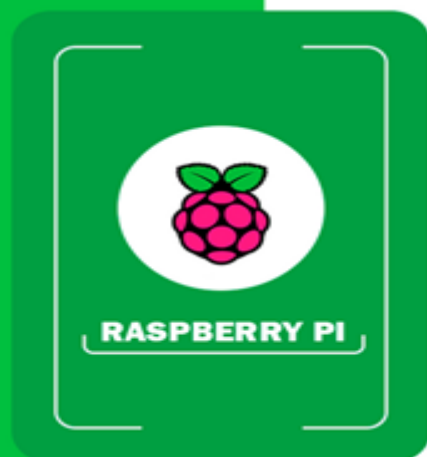


Una vez ingresado la ip , se accederá a la ventana de comandos, en donde se le pedirá un nombre y contraseña:

```
login: pi  
password: raspberry
```

y finalmente accedimos a la Raspberry Pi

```
pi@raspberrypi:~  
login as: pi  
pi@192.168.0.65's password:  
Linux raspberrypi 4.9.41-v7+ #1023 SMP Tue Aug 8 16:00:15 BST 2  
The programs included with the Debian GNU/Linux system are free  
the exact distribution terms for each program are described in  
individual files in /usr/share/doc/*/copyright.  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the exte  
permitted by applicable law.  
Last login: Sat Sep 23 10:56:03 2017 from 192.168.0.94  
SSH is enabled and the default password for the 'pi' user has n  
This is a security risk - please login as the 'pi' user and typ  
a new password.  
pi@raspberrypi:~ $
```





UMAKER | CENTRO DE CAPACITACIÓN
DE DESARROLLO TECNOLÓGICO