

OpenMediaVault

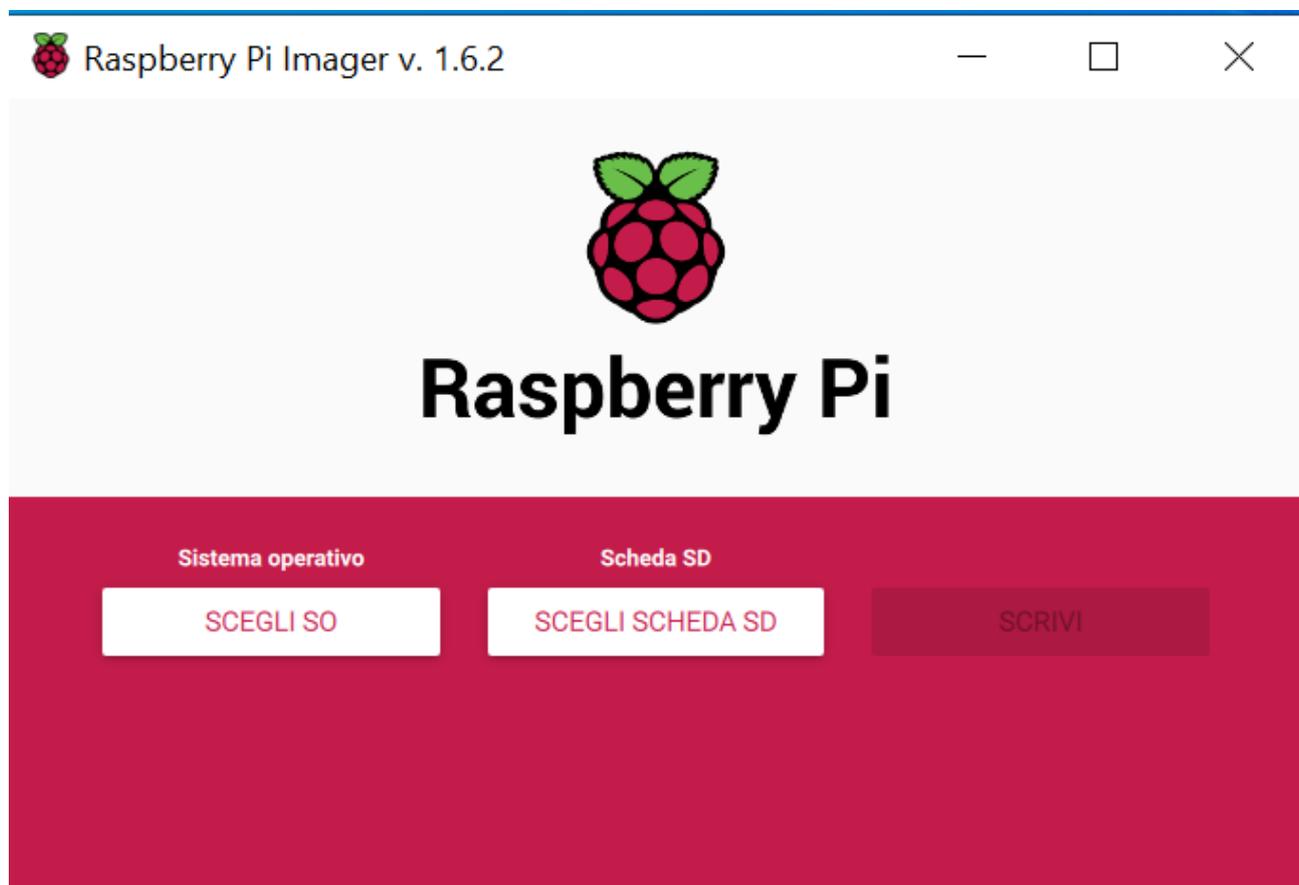
guida scritta dal team gamesandconsoles by virtuale 76

<https://www.raspberrypi.com/software/> (scaricare Raspberry Pi Imager)

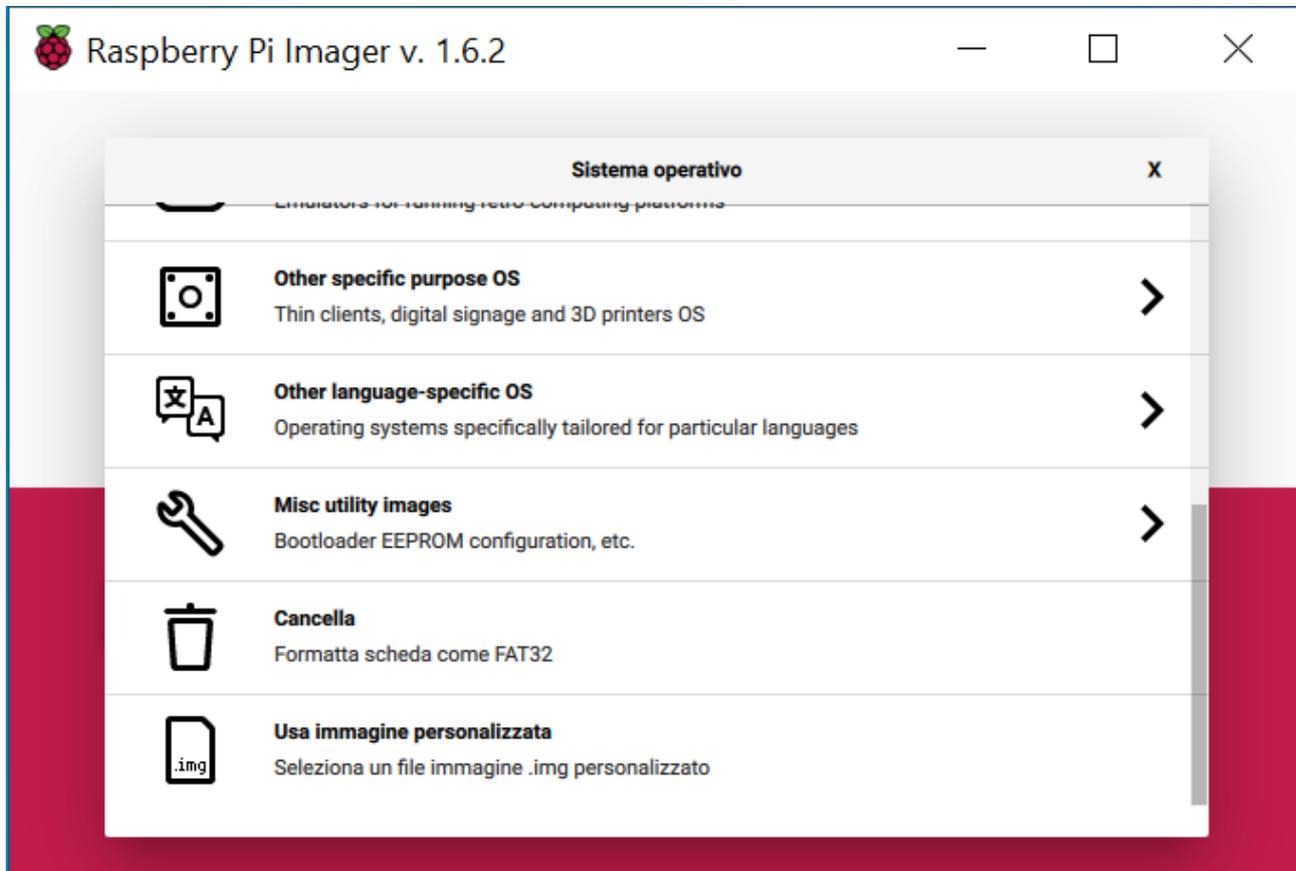
<https://www.putty.org/> (Download PuTTY) 32/64 a seconda della macchina usata

MicroSD

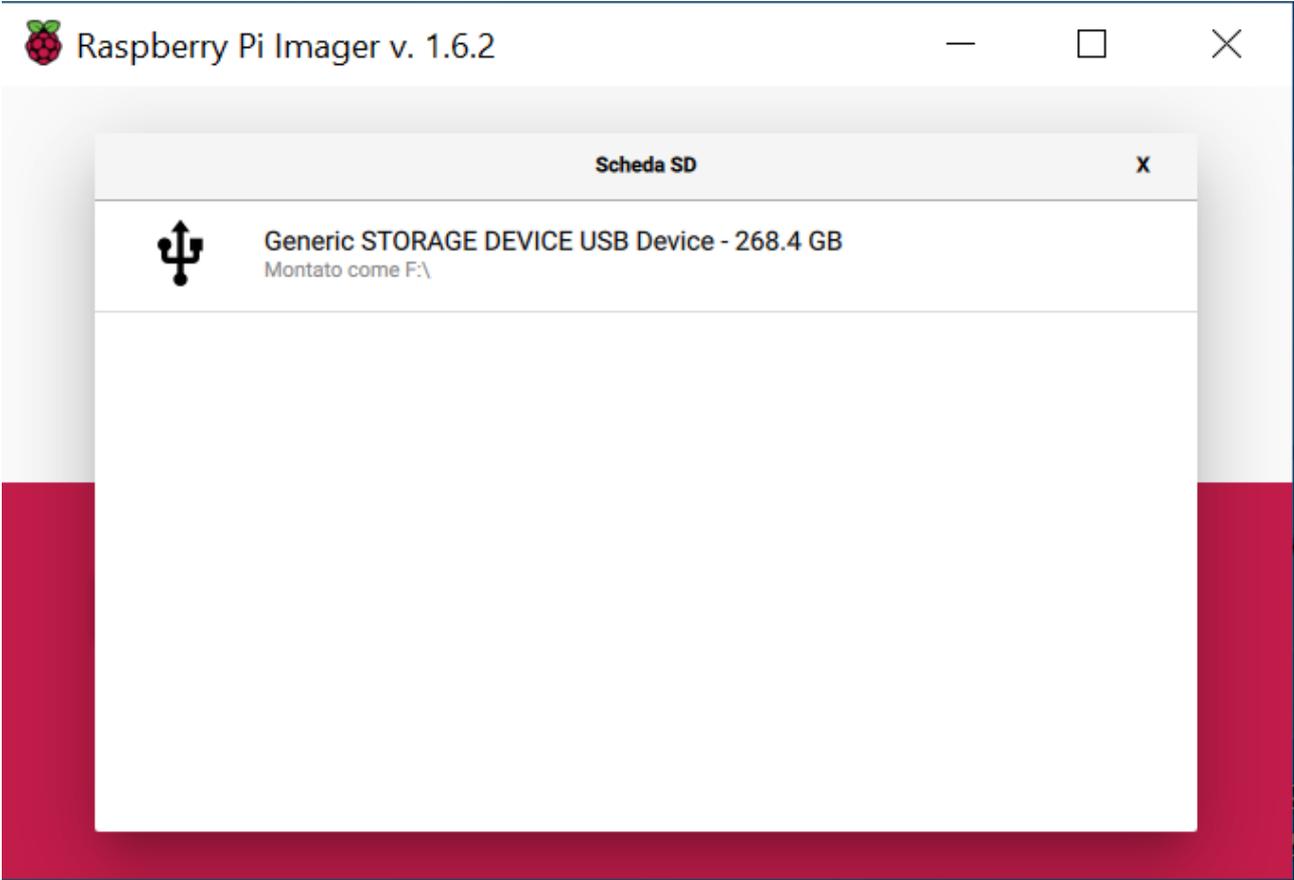
Formattare Micro sd con Pi Imager



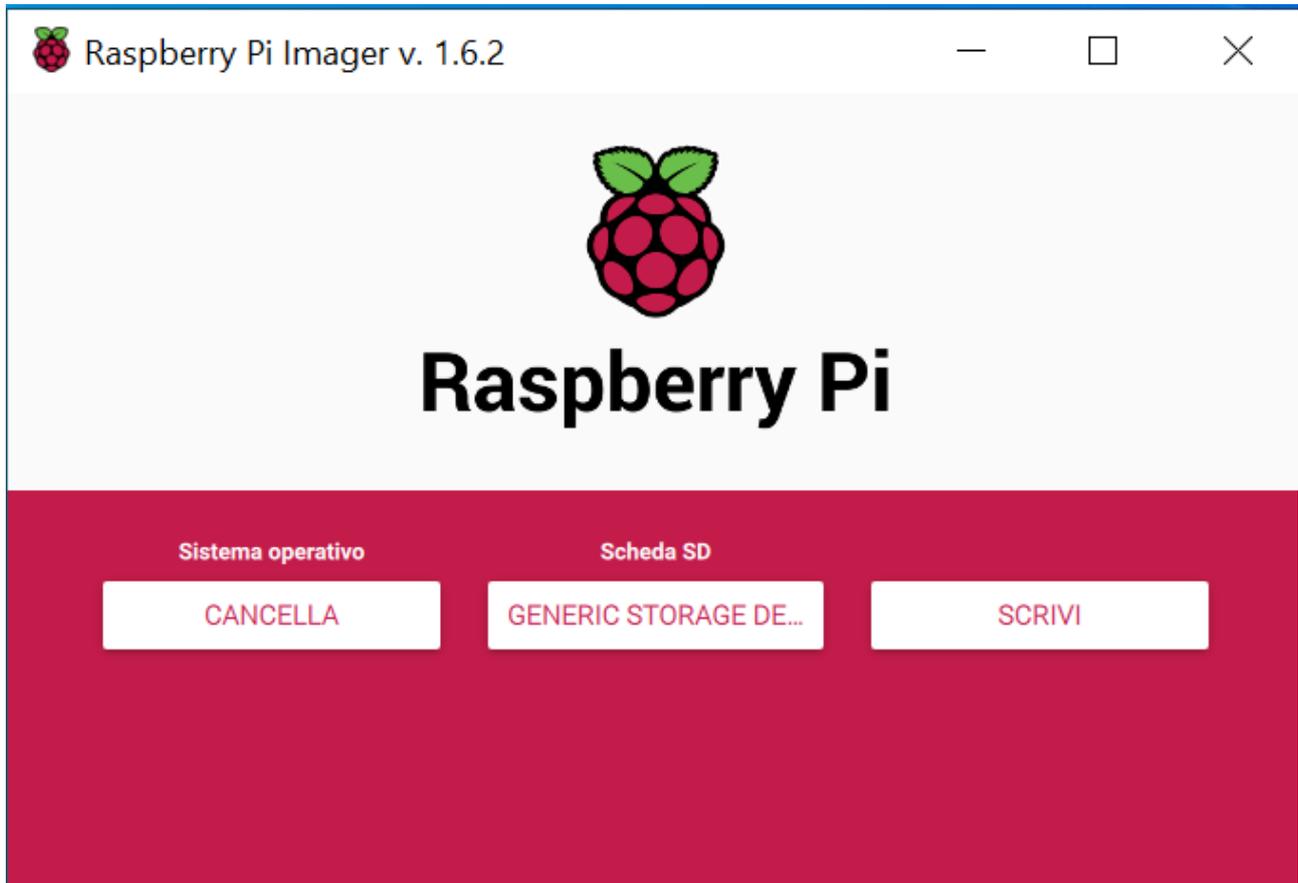
Scegli SO Cancella

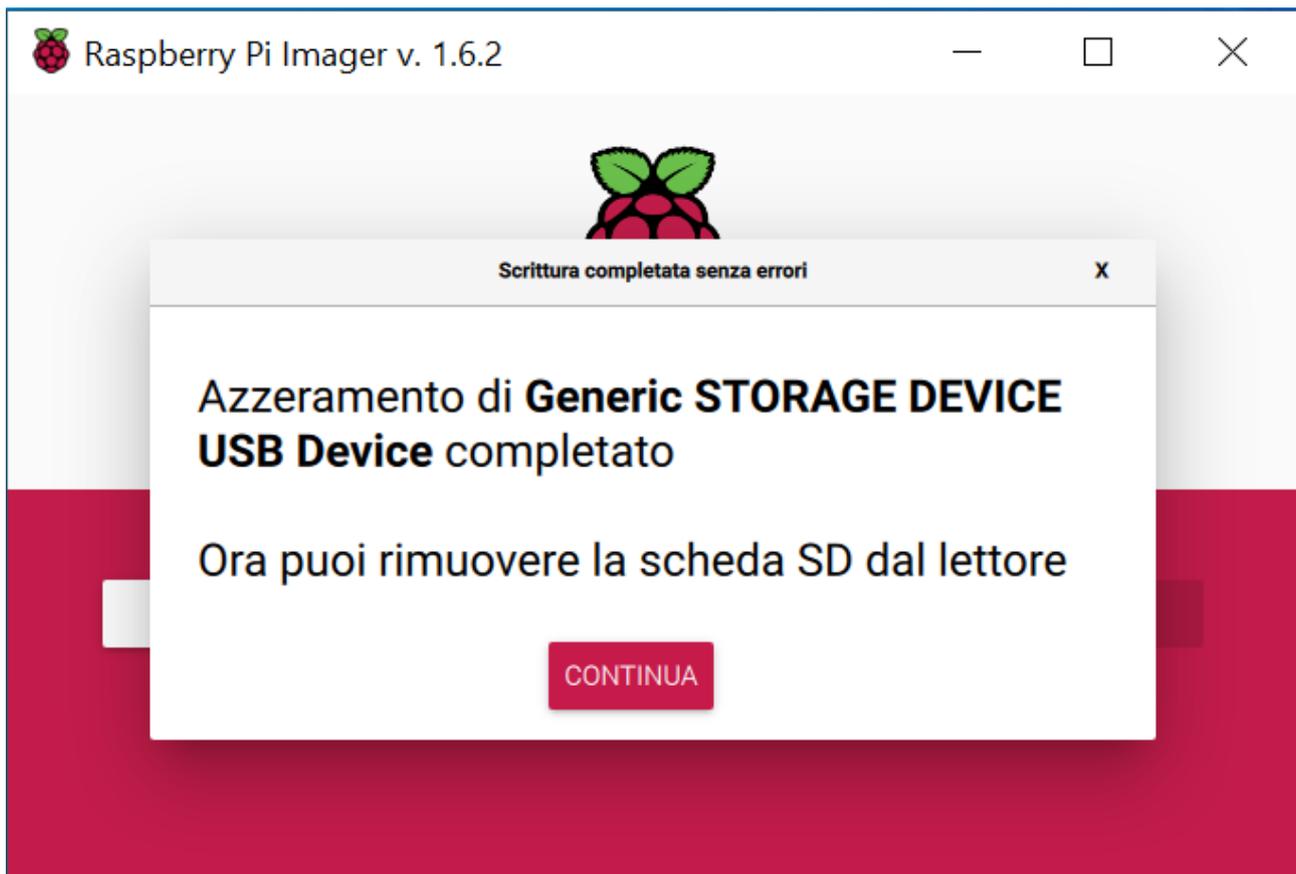


Scegli Scheda SD



Scrivi





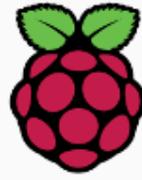
Per sicurezza cancellate 2 volte

Adesso iniziamo con l'installazione del sistema operativo

Aprire Pi Imager



Raspberry Pi Imager v. 1.6.2



Raspberry Pi

Sistema operativo

SCEGLI SO

Scheda SD

SCEGLI SCHEDA SD

SCRIVI

Andare su opzioni SCEGLI SO

Sistema operativo ×

| | |
|---|--|
|  | Raspberry Pi OS (32-bit) A port of Debian Bullseye with the Raspberry Pi Desktop (Recommended) Rilasciato: 2022-01-28 Online - Download 1.2 GB |
|  | Raspberry Pi OS (other) Other Raspberry Pi OS based images ➤ |
|  | Other general purpose OS Other general purpose Operating Systems ➤ |
|  | Media player - Kodi OS Kodi based Media player operating systems ➤ |
|  | Emulation and game OS Emulators for running retro-computing platforms ➤ |

Scegliere Raspberry Pi OS (other)

Sistema operativo

X



Indietro

Torna al menu principale



Raspberry Pi OS Lite (32-bit)

A port of Debian Bullseye with no desktop environment

Rilasciato: 2022-01-28

Online - Download 0.5 GB



Raspberry Pi OS Full (32-bit)

A port of Debian Bullseye with desktop and recommended applications

Rilasciato: 2022-01-28

Online - Download 3.2 GB

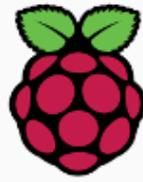


Raspberry Pi OS (Legacy)

A port of Debian Buster with desktop with security updates

Rilasciato: 2022-01-28

Scegliere Pi OS Lite (32bit)



Raspberry Pi

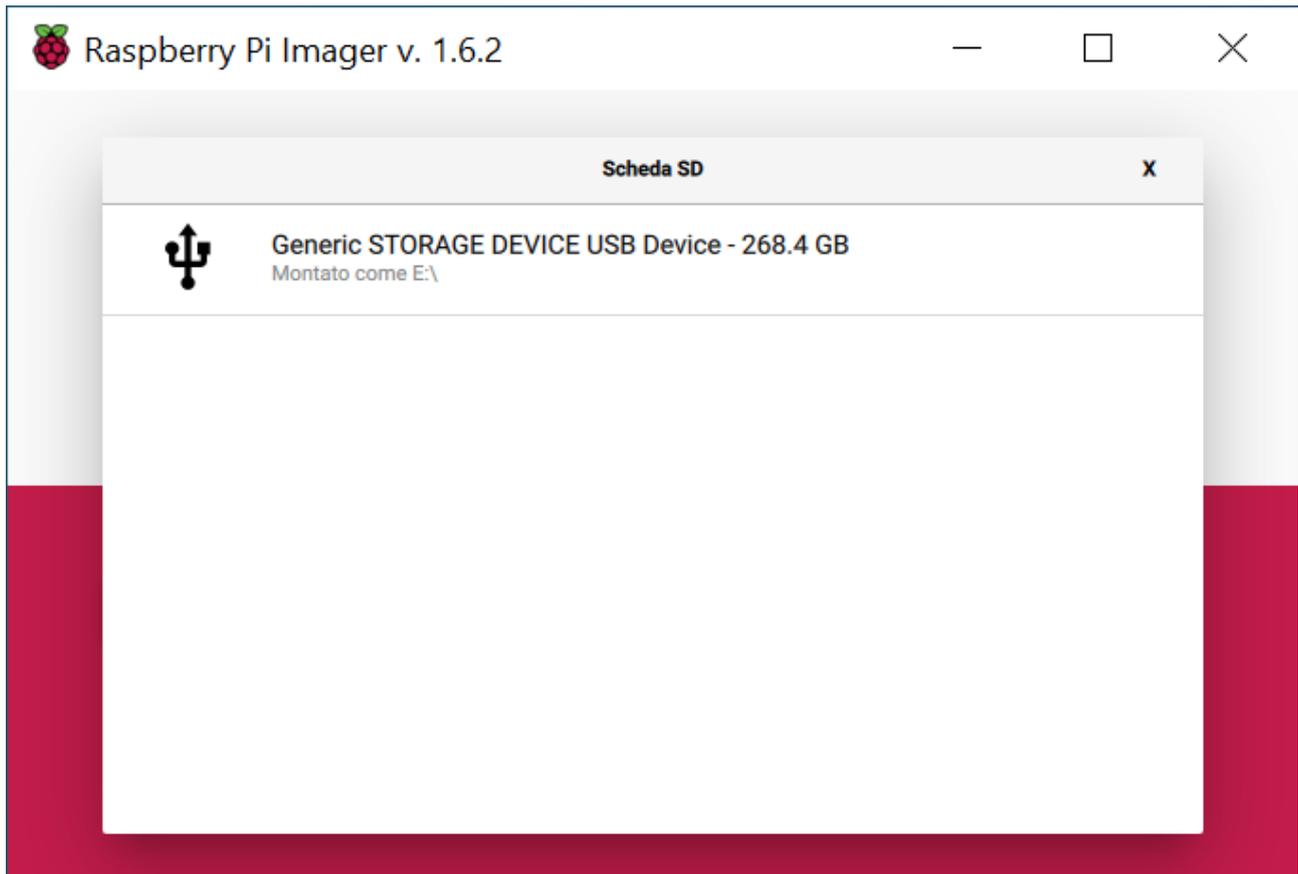
Sistema operativo

RASPBERRY PI OS LITE (32-BIT)

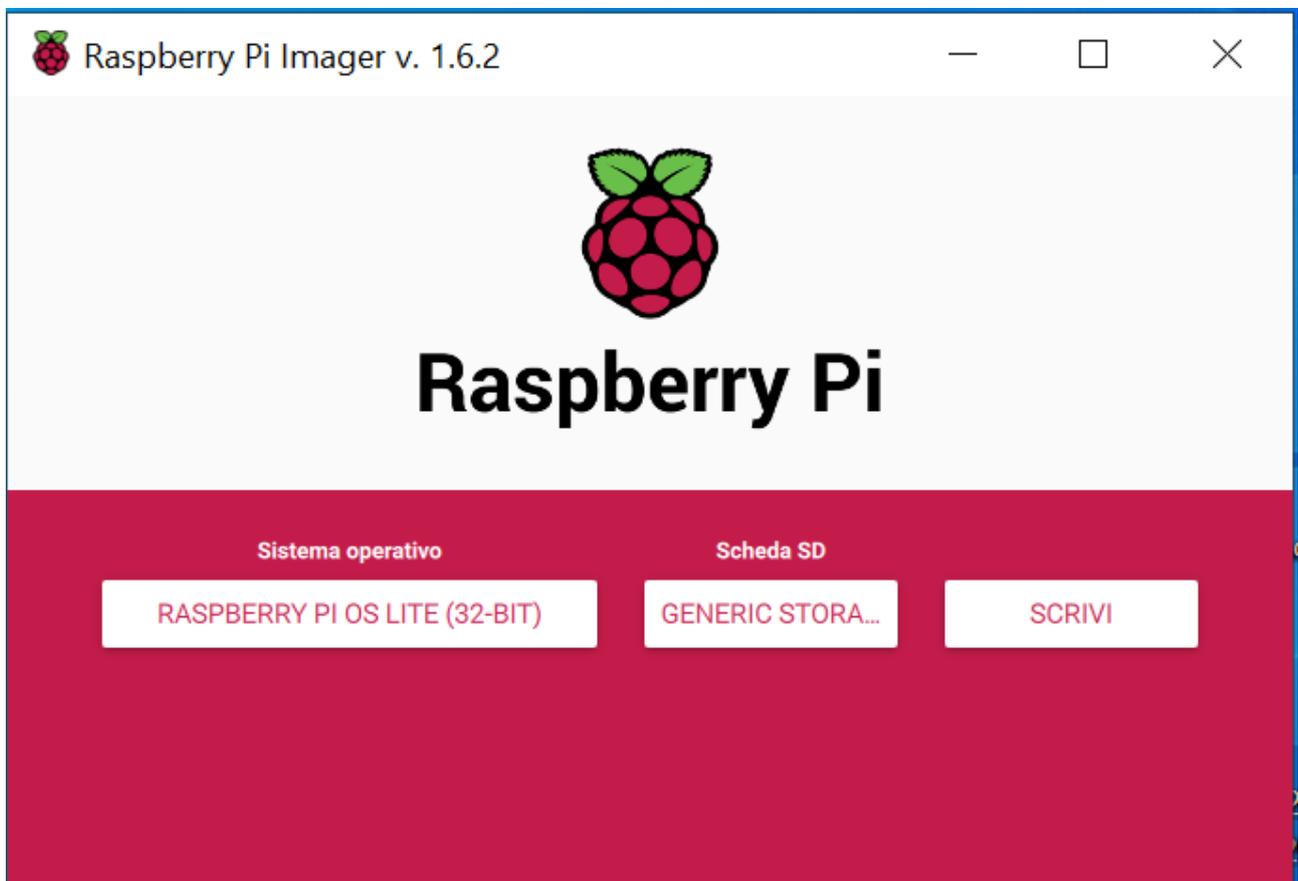
Scheda SD

SCEGLI SCHEDA...

SCRIVI



Scrivi



Ci sono pareri discordanti sulla gestione del disco, alcuni dicono di riformattarlo con openmediavault altri dicono di no, (dalle prove effettuate posso ammettere che open media riconosce sia il formato NTFS sia EXFAT quindi non ci sarebbe bisogno di alcun azzeramento, ovviamente verrebbe considerato caso per caso, consiglio comunque un salvataggio dei dati)

Scrittura terminata



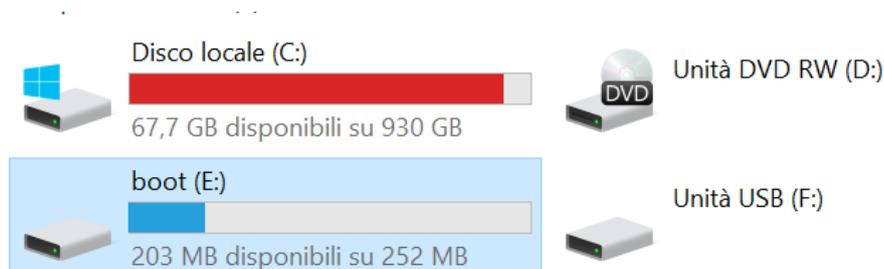
Rimuovere la Micro SD

Reinserire la Micro SD

Ti chiede di riformattarla (ovviamente scegliamo annulla)

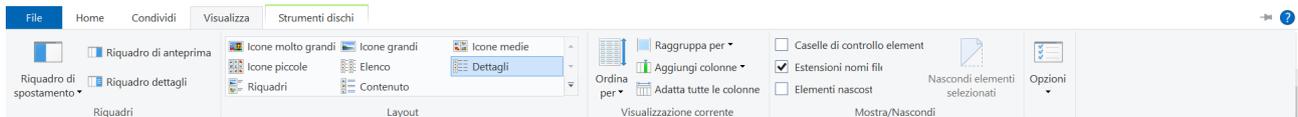
Andare su esplora file

Andare su unità boot e aprirla (Potrebbero sicuramente cambiare le lettere dell'unità)

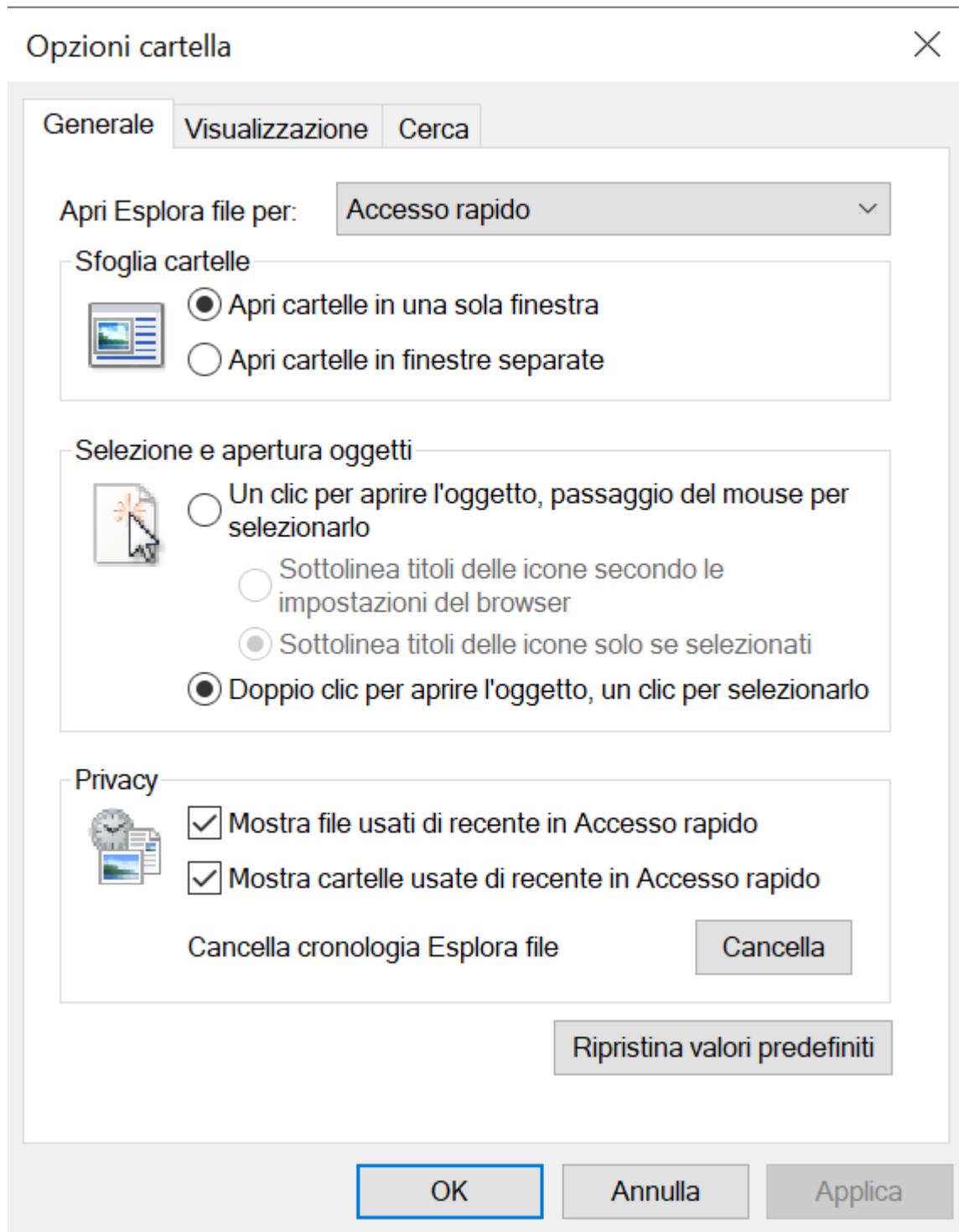


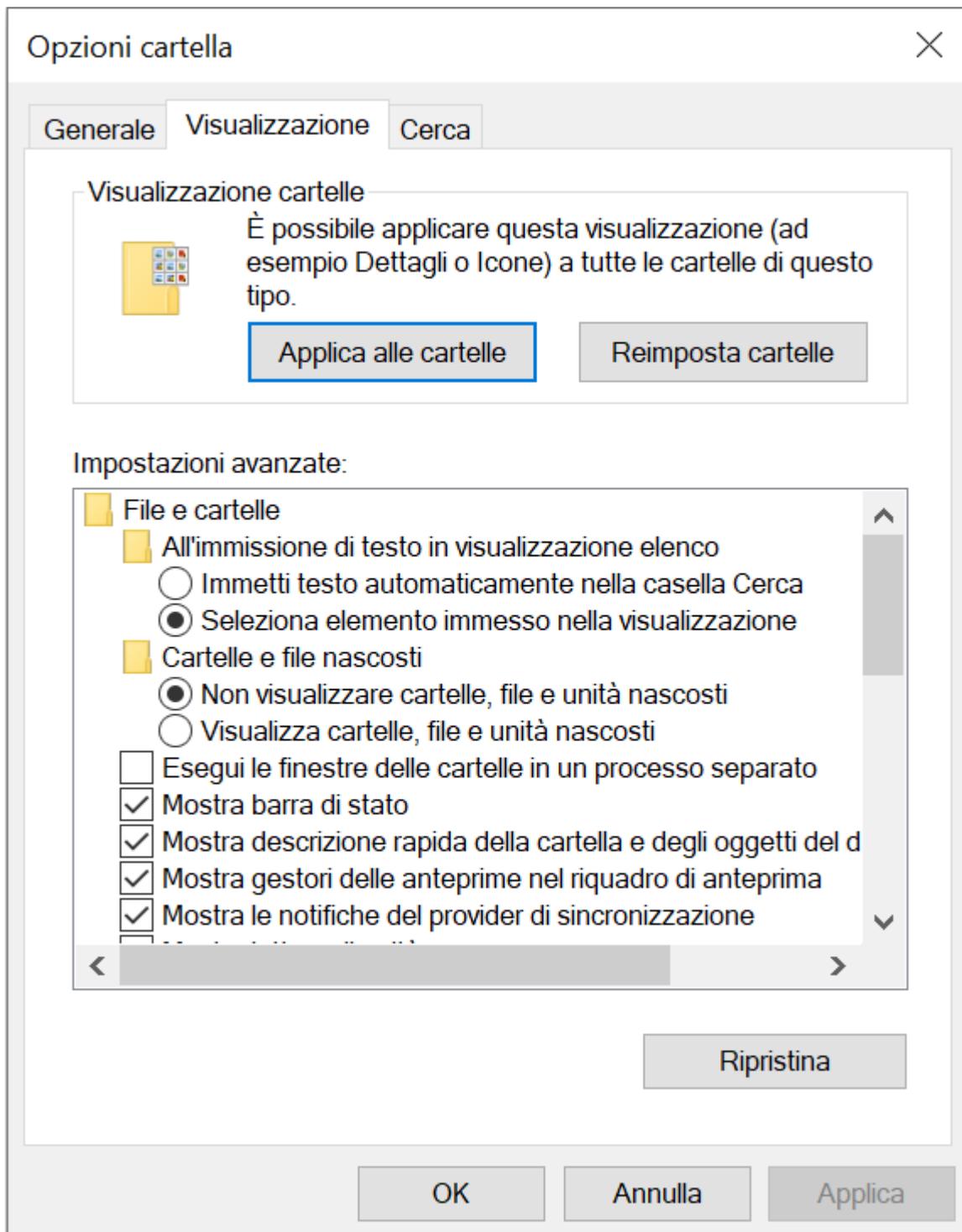
Aprire l'unità boot

Poi in alto al menù di windows visualizza

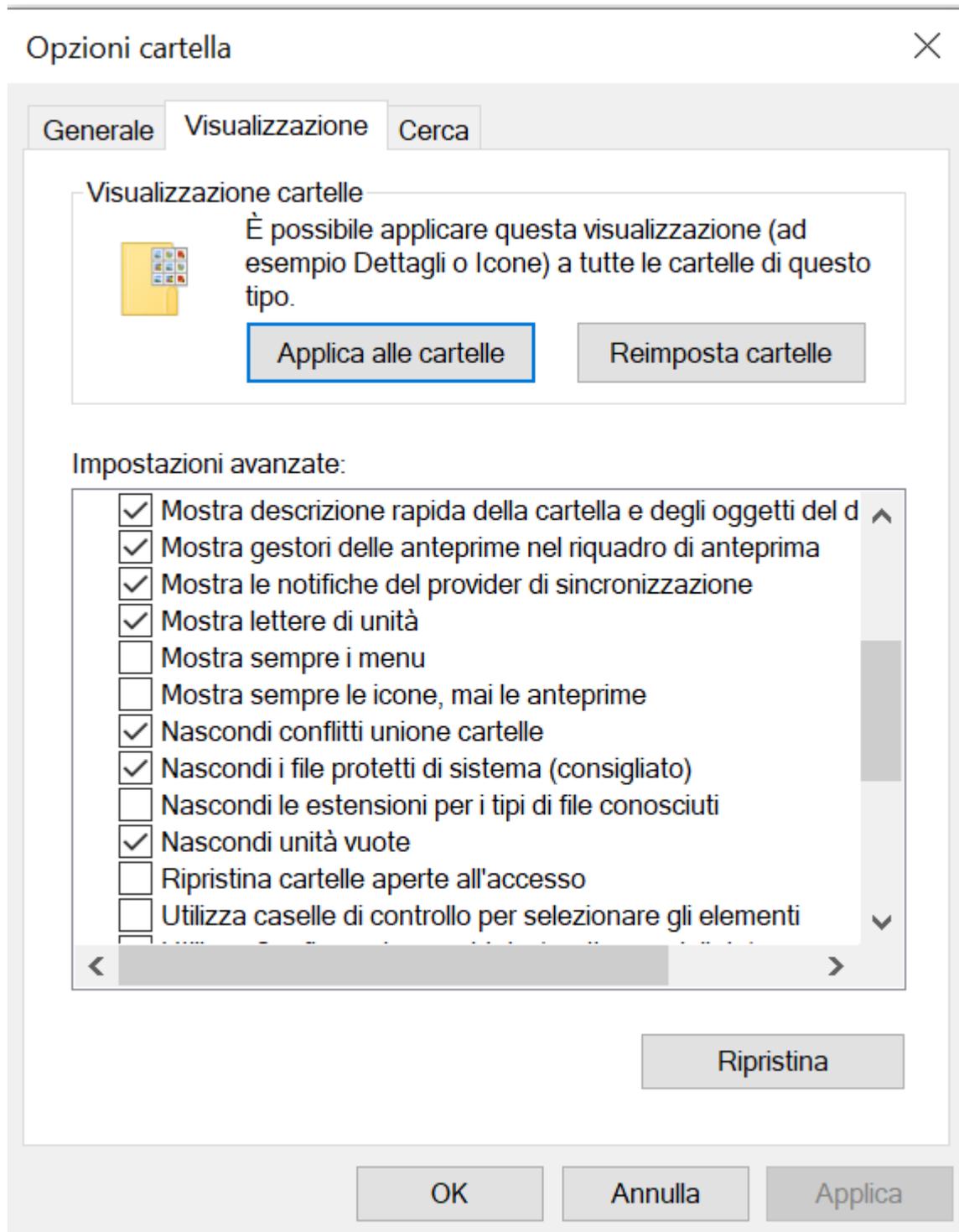


Opzioni cartella





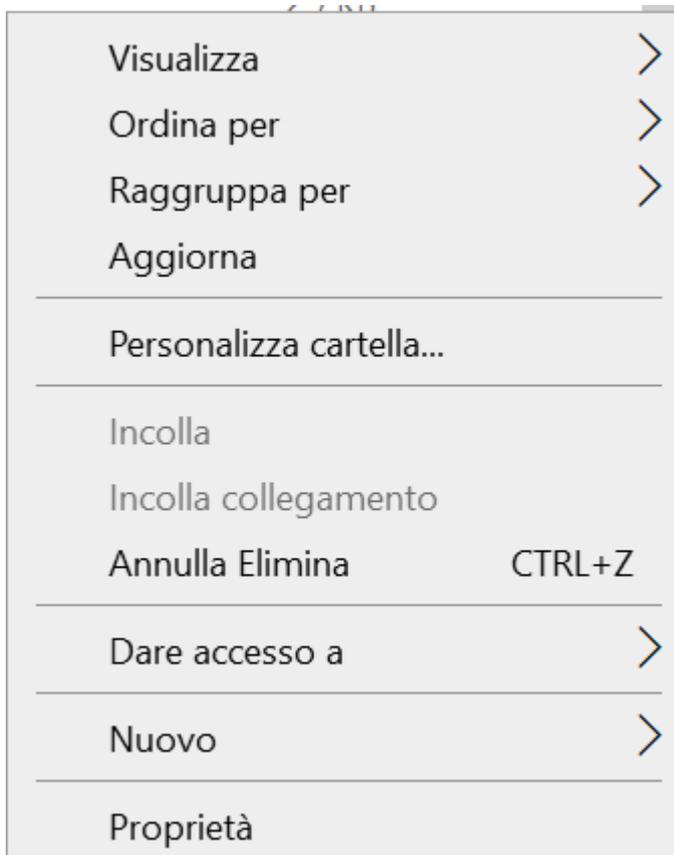
Assicuratevi di togliere il flag a “nascondi le estensioni per i tipi di file conosciuti



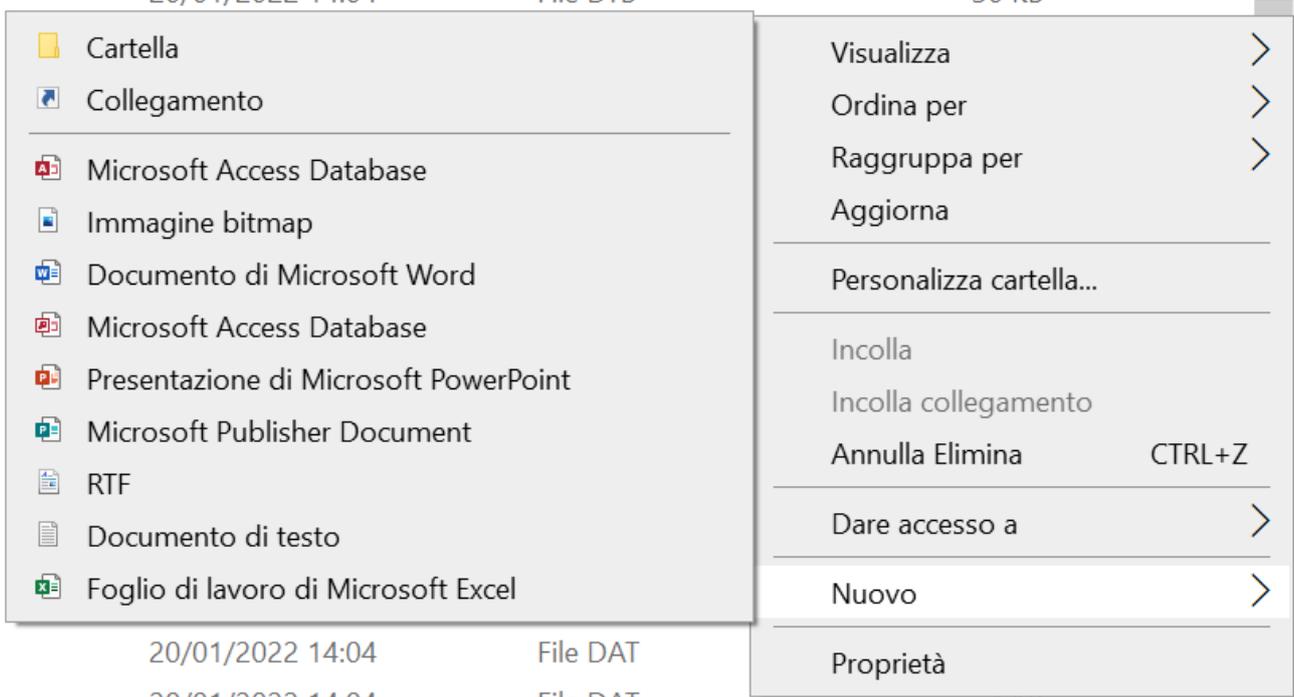
Così facendo dovremmo vedere tutte le estensioni dei file, icona diversa a seconda del programma installato per leggerlo

| Nome | Ultima modifica | Tipo | Dimensione |
|--------------------------|------------------|--------------------|------------|
| overlays | 28/01/2022 01:04 | Cartella di file | |
| bcm2708-rpi-b.dtb | 20/01/2022 14:04 | File DTB | 28 KB |
| bcm2708-rpi-b-plus.dtb | 20/01/2022 14:04 | File DTB | 28 KB |
| bcm2708-rpi-b-rev1.dtb | 20/01/2022 14:04 | File DTB | 27 KB |
| bcm2708-rpi-cm.dtb | 20/01/2022 14:04 | File DTB | 27 KB |
| bcm2708-rpi-zero.dtb | 20/01/2022 14:04 | File DTB | 27 KB |
| bcm2708-rpi-zero-w.dtb | 20/01/2022 14:04 | File DTB | 29 KB |
| bcm2709-rpi-2-b.dtb | 20/01/2022 14:04 | File DTB | 29 KB |
| bcm2710-rpi-2-b.dtb | 20/01/2022 14:04 | File DTB | 29 KB |
| bcm2710-rpi-3-b.dtb | 20/01/2022 14:04 | File DTB | 30 KB |
| bcm2710-rpi-3-b-plus.dtb | 20/01/2022 14:04 | File DTB | 31 KB |
| bcm2710-rpi-cm3.dtb | 20/01/2022 14:04 | File DTB | 29 KB |
| bcm2710-rpi-zero-2.dtb | 20/01/2022 14:04 | File DTB | 30 KB |
| bcm2710-rpi-zero-2-w.dtb | 20/01/2022 14:04 | File DTB | 30 KB |
| bcm2711-rpi-4-b.dtb | 20/01/2022 14:04 | File DTB | 51 KB |
| bcm2711-rpi-400.dtb | 20/01/2022 14:04 | File DTB | 51 KB |
| bcm2711-rpi-cm4.dtb | 20/01/2022 14:04 | File DTB | 51 KB |
| bcm2711-rpi-cm4s.dtb | 20/01/2022 14:04 | File DTB | 48 KB |
| bootcode.bin | 20/01/2022 14:04 | File BIN | 52 KB |
| cmdline.txt | 28/01/2022 01:22 | Documento di testo | 1 KB |
| config.txt | 28/01/2022 01:04 | Documento di testo | 3 KB |
| COPYING.linux | 20/01/2022 14:04 | File LINUX | 19 KB |
| fixup.dat | 20/01/2022 14:04 | File DAT | 8 KB |
| fixup_cd.dat | 20/01/2022 14:04 | File DAT | 4 KB |
| fixup_db.dat | 20/01/2022 14:04 | File DAT | 10 KB |

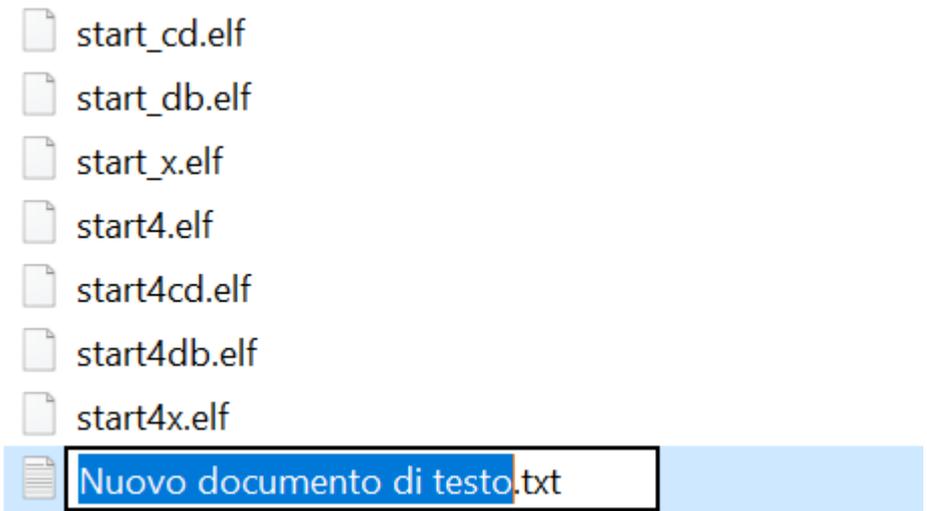
Andate su area vuota e premete tasto destro del mouse



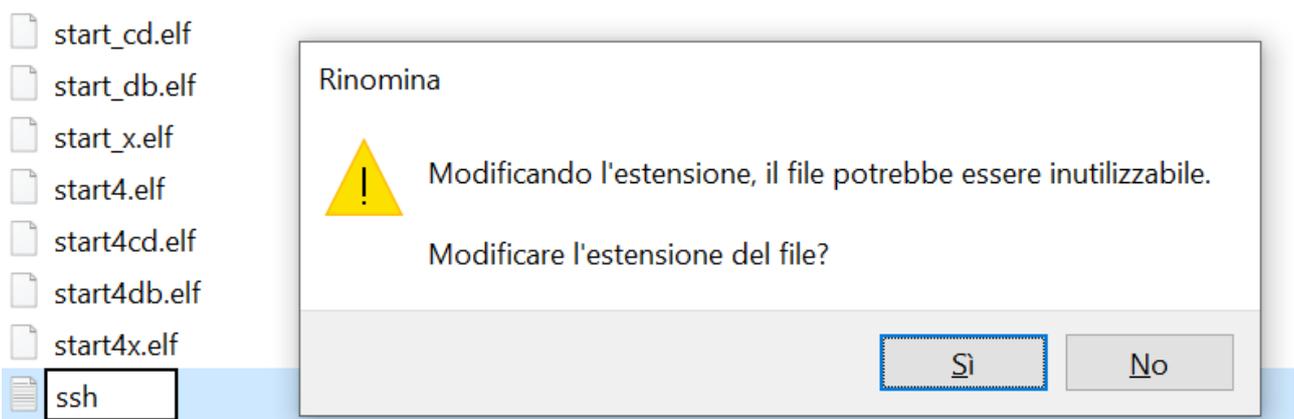
Quindi Nuovo documento di testo



Apparirà



Andiamo a modificare sostituendo il nome e cancellando l'estensione con ssh



Ci chiede di confermare la modifica e cliccheremo sì

| | | | |
|--------------|------------------|----------|----------|
| start4.elf | 20/01/2022 14:04 | File ELF | 2.189 KB |
| start4cd.elf | 20/01/2022 14:04 | File ELF | 782 KB |
| start4db.elf | 20/01/2022 14:04 | File ELF | 3.651 KB |
| start4x.elf | 20/01/2022 14:04 | File ELF | 2.923 KB |
| ssh | 30/01/2022 00:16 | File | 0 KB |

Tipo - File ELF
Dimensione - 2,13 MB
Ultima modifica - 20/01/2022 14:04

Dopo chiudiamo questa ultima finestra

Espellere micro SD

Collegiamo il raspberry si all'alimentazione che alla rete lan e le porte usb devono essere vuoti privi di periferiche di archiviazione inseriamo la micro SD e gli diamo corrente

Per collegarci senza monitor, occorre scaricare una piccola utility dal nostro cellulare in modo da poter prendere l'indirizzo IP del nostro raspberry, l'app che ci verrà in aiuto si chiama FING, ovviamente il telefono deve essere collegato alla stessa rete wi-fi del raspberry, se fate la scansione dei dispositivi collegati vedrete apparire l'indirizzo IP che stavamo cercando

Installiamo Putty, lo apriamo



Category:

- [-] Session
 - [-] Logging
- [-] Terminal
 - [-] Keyboard
 - [-] Bell
 - [-] Features
- [-] Window
 - [-] Appearance
 - [-] Behaviour
 - [-] Translation
 - [+] Selection
 - [-] Colours
- [-] Connection
 - [-] Data
 - [-] Proxy
 - [+] SSH
 - [-] Serial
 - [-] Telnet
 - [-] Rlogin
 - [-] SUPDUP

Basic options for your PuTTY session

Specify the destination you want to connect to

| | |
|---------------------------|---------------------------------|
| Host Name (or IP address) | Port |
| <input type="text"/> | <input type="text" value="22"/> |

Connection type:

SSH Serial Other: ▾

Load, save or delete a stored session

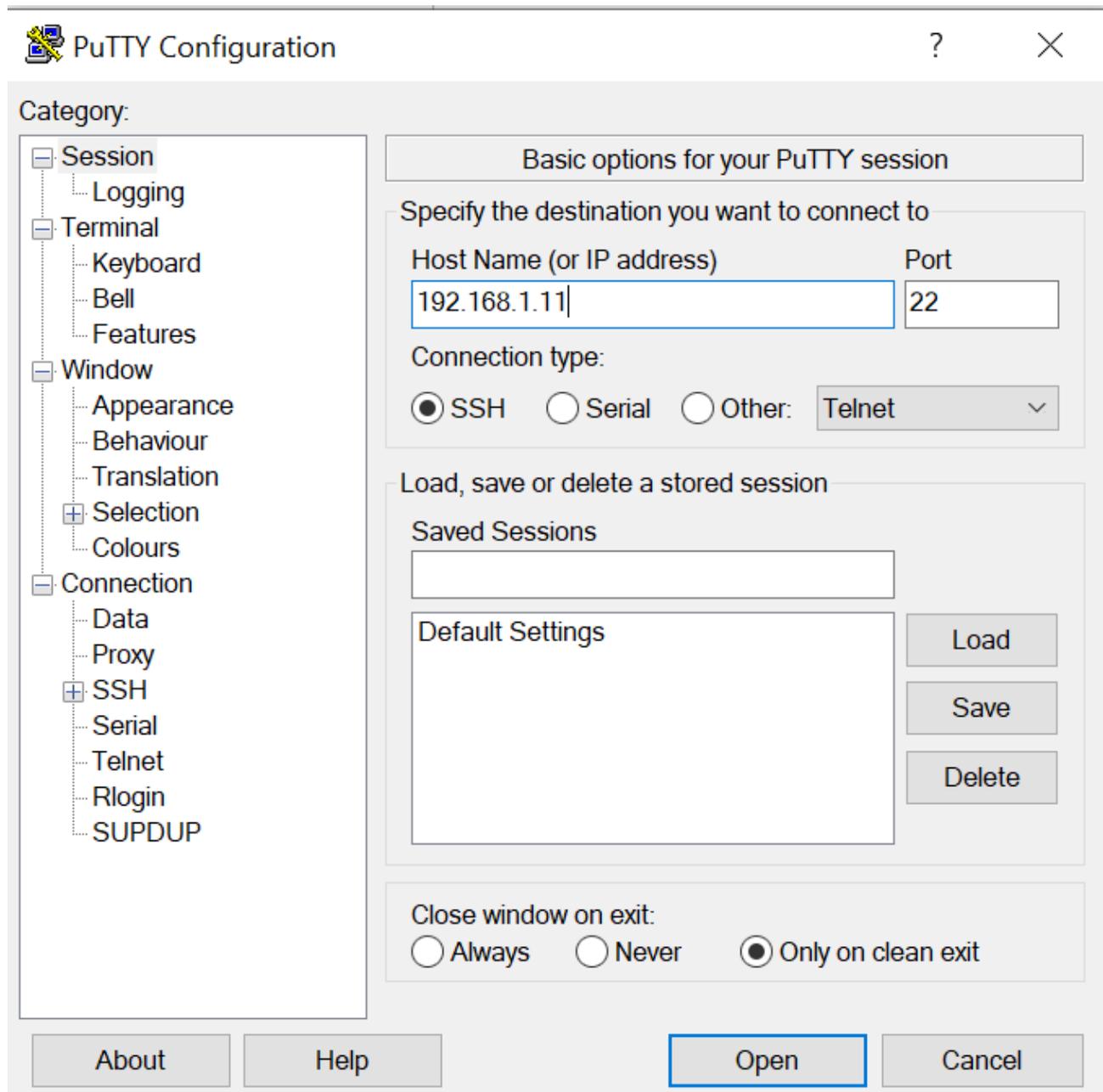
Saved Sessions

| |
|----------------------|
| <input type="text"/> |
| Default Settings |

Close window on exit:

Always Never Only on clean exit

Host Name (or IP address) l'indirizzo IP del nostro raspberry ricavato da fimg (ognuno avrà IP diverso)



Chiede login di default pi

Chiede password di default raspberry

```
pi@NASSERVER: ~  
login as: pi  
pi@192.168.1.11's password:  
Linux NASSERVER 5.10.92-v7l+ #1514 SMP Mon Jan 17 17:38:03 GMT 2022 armv7l  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Thu Jan 27 01:10:39 2022 from 192.168.1.4  
pi@NASSERVER:~ $
```

Entrati

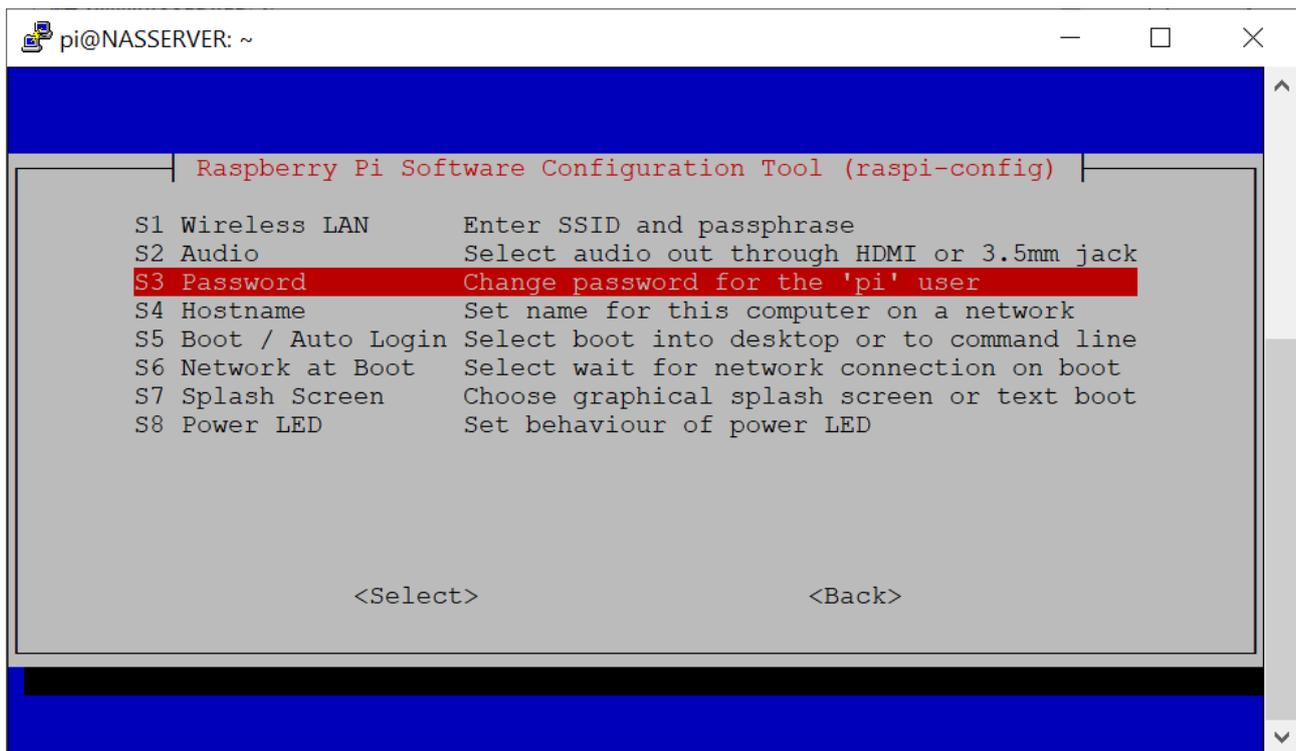
Adesso ci vuole un minimo di configurazione

sudo raspi-config

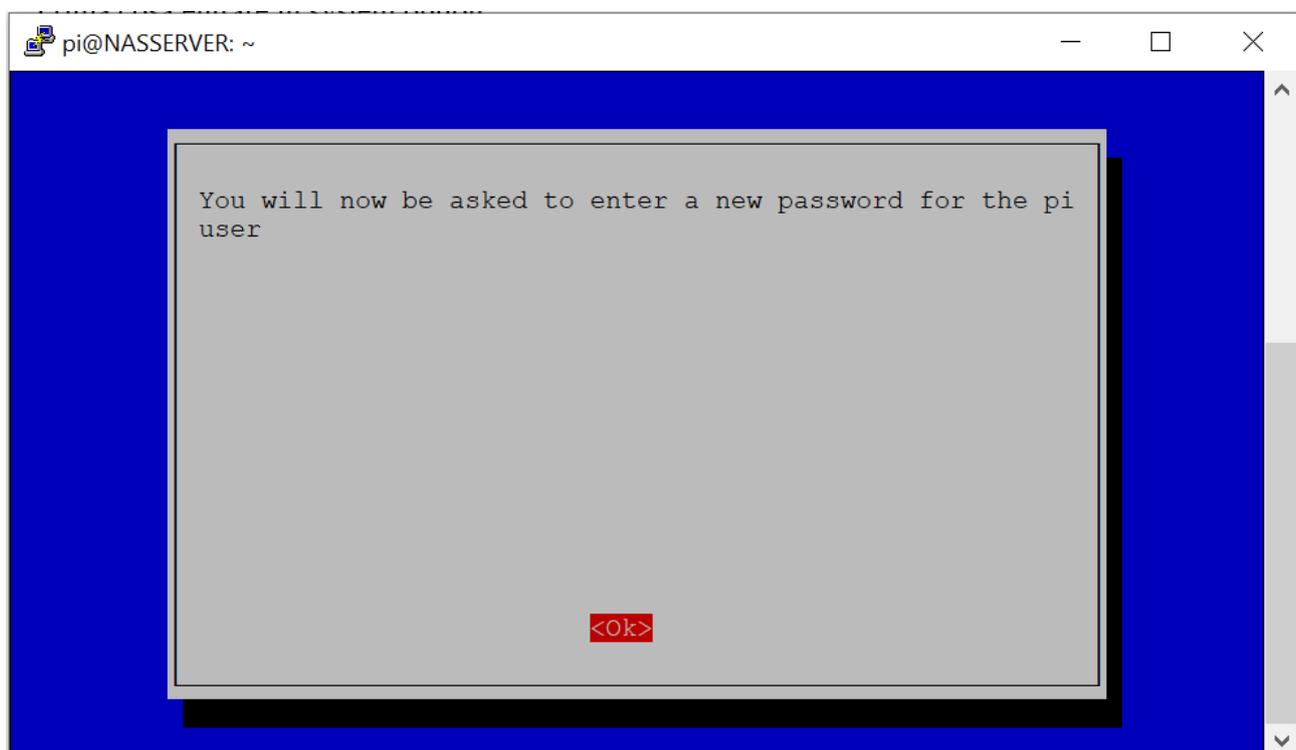
```
pi@NASSERVER: ~  
Raspberry Pi 4 Model B Rev 1.4  
  
Raspberry Pi Software Configuration Tool (raspi-config)  
  
1 System Options      Configure system settings  
2 Display Options    Configure display settings  
3 Interface Options  Configure connections to peripherals  
4 Performance Options Configure performance settings  
5 Localisation Options Configure language and regional settings  
6 Advanced Options   Configure advanced settings  
8 Update             Update this tool to the latest version  
9 About raspi-config Information about this configuration tool  
  
<Select>           <Finish>
```

Una volta in questa schermata bisogna muoversi con la tastiera

Prima cosa entrare in system option



Cambiare la password al utente pi

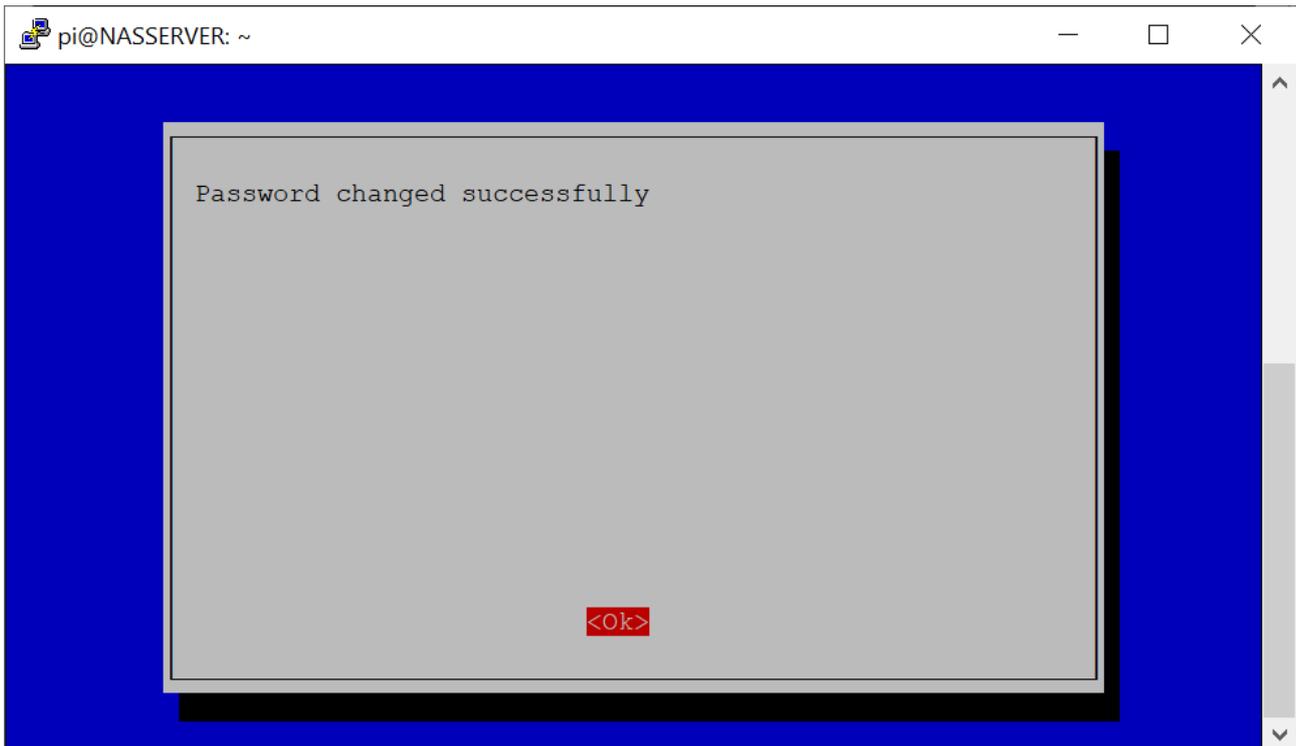


```
pi@NASSERVER: ~  
login as: pi  
pi@192.168.1.11's password:  
Linux NASSERVER 5.10.92-v7l+ #1514 SMP Mon Jan 17 17:38:03 GMT 2022 armv7l  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Thu Jan 27 01:10:39 2022 from 192.168.1.4  
pi@NASSERVER:~ $ sudo raspi-config  
New password:  
Retype new password:  
passwd: password updated successfully  
New password: █
```

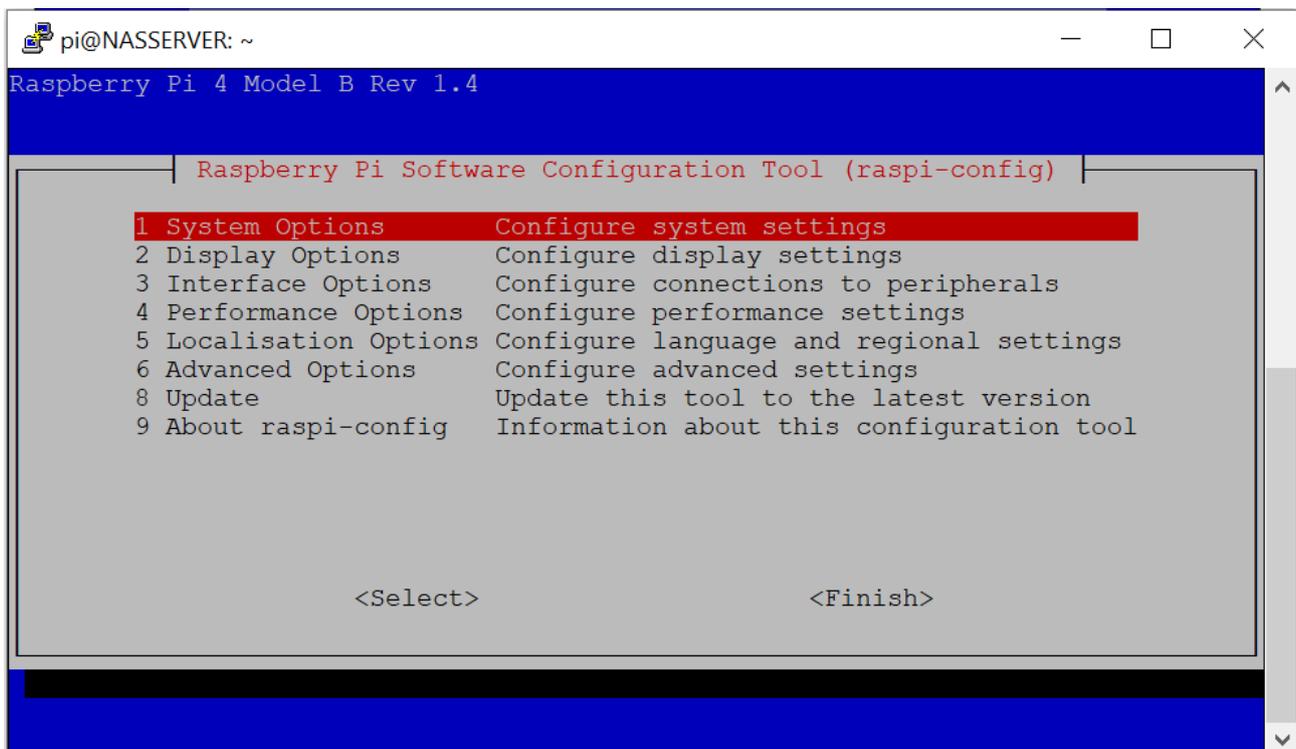
Attenzione quando scrivete la password in quanto il sistema non vi fa vedere quello che scrivete, però prima di aggiornarla vi chiede di riscriverla per essere sicuri e certi che sia uguale

```
pi@NASSERVER: ~  
login as: pi  
pi@192.168.1.11's password:  
Linux NASSERVER 5.10.92-v7l+ #1514 SMP Mon Jan 17 17:38:03 GMT 2022 armv7l  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
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permitted by applicable law.  
Last login: Thu Jan 27 01:10:39 2022 from 192.168.1.4  
pi@NASSERVER:~ $ sudo raspi-config  
New password:  
Retype new password:  
passwd: password updated successfully  
New password:  
Retype new password: █
```

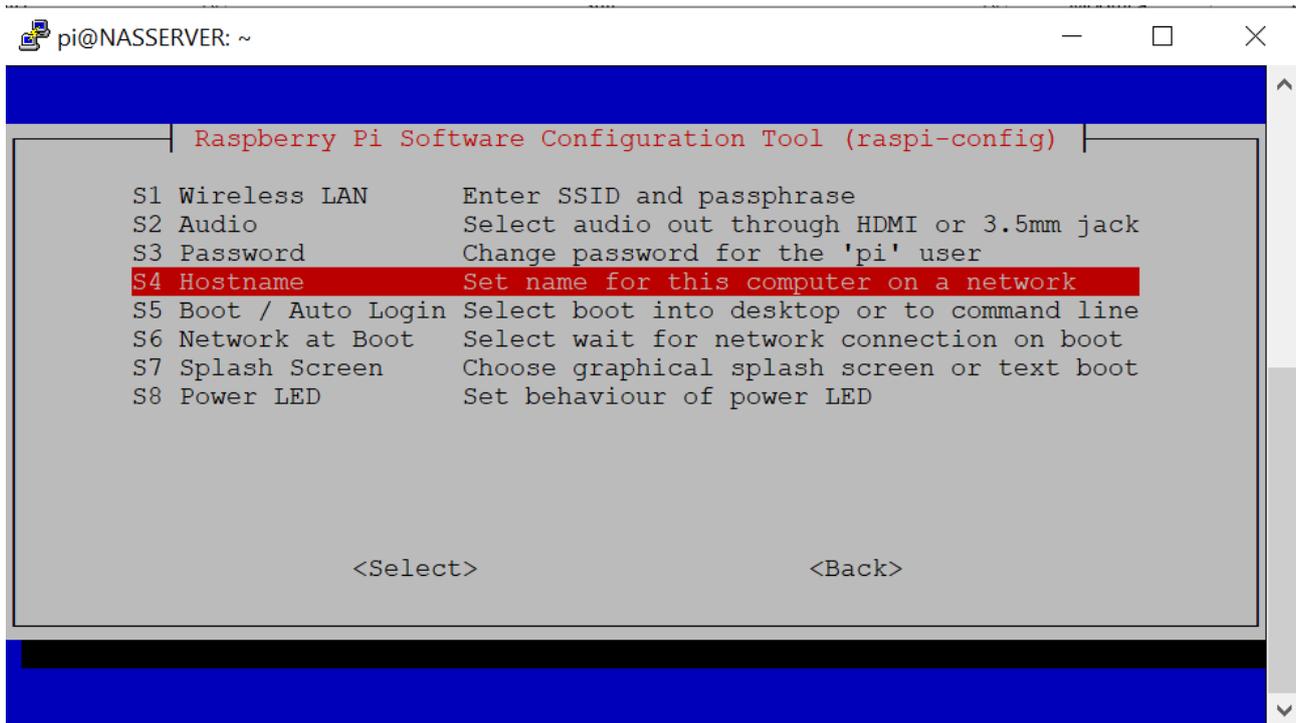
Quando il sistema si accerta che sono uguali vi darà l'OK che è andata a buon fine



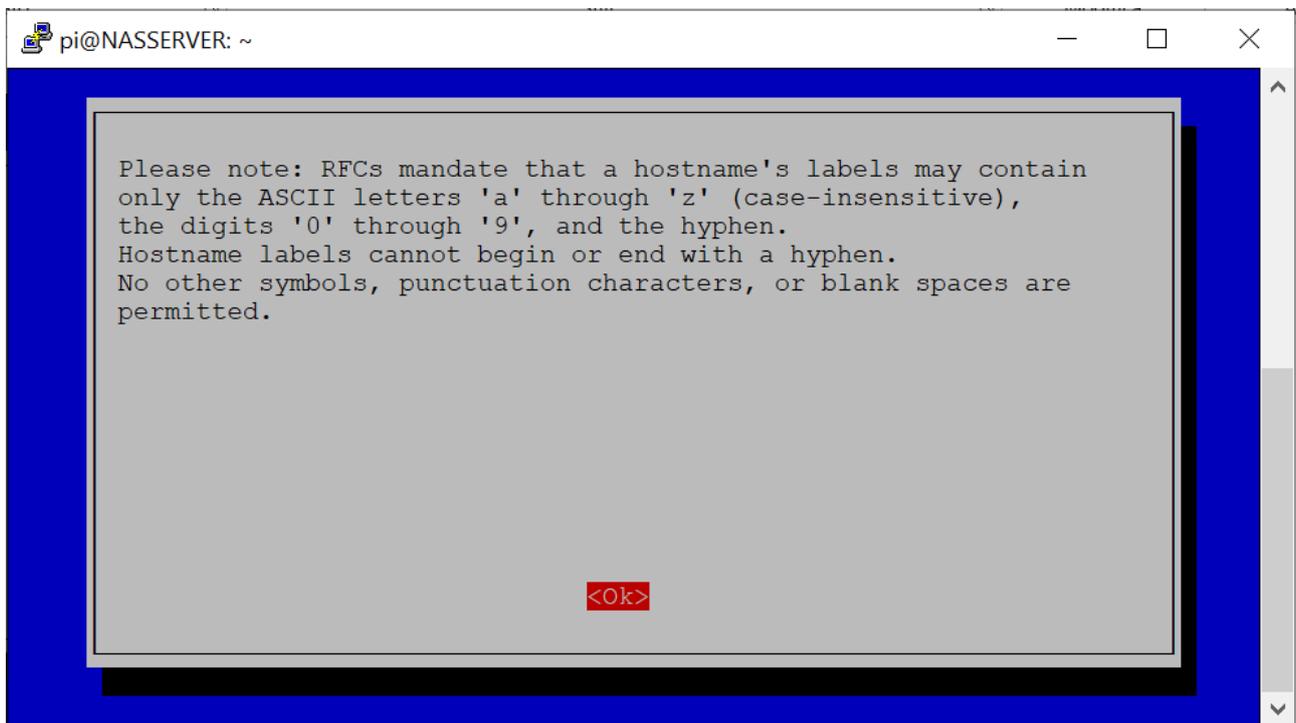
Una volta dato l'OK ci farà ritornare sulla pagina principale



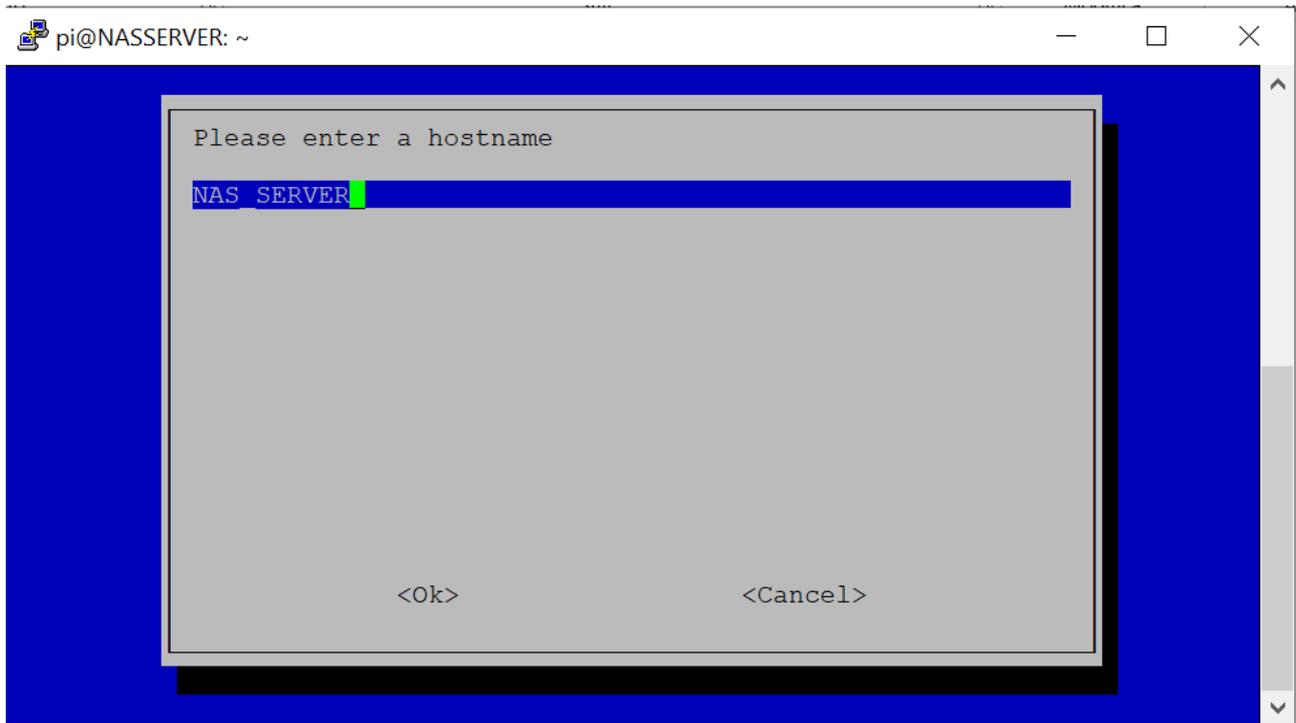
Andiamo su System Options



Hostname in questa parte cambiamo il nome del nostro raspberry di default "raspberrypi"

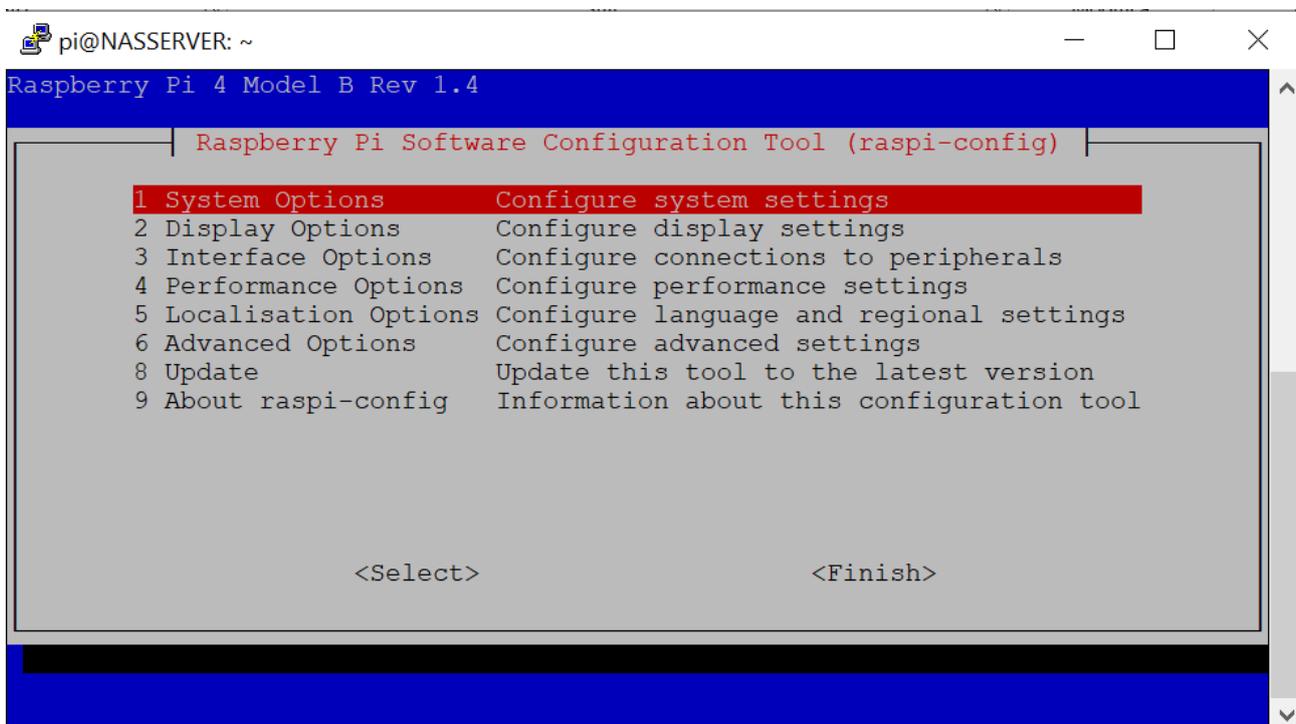


Diamo un OK



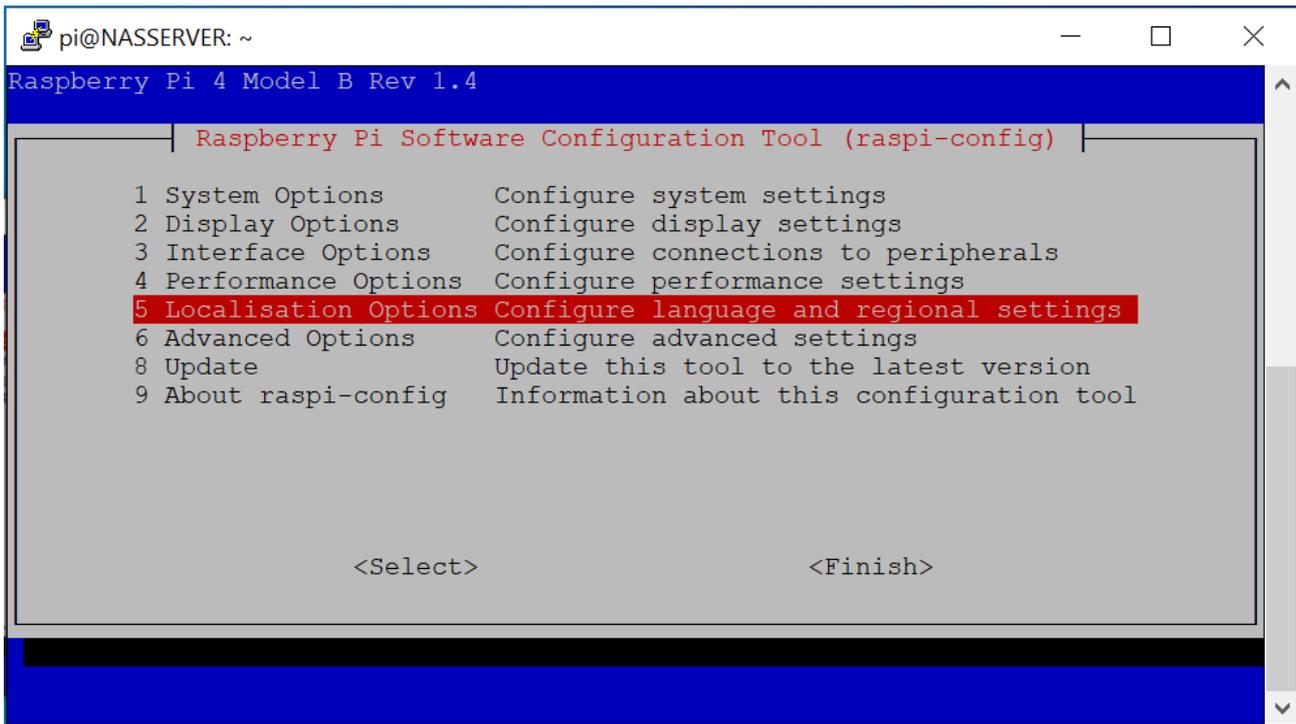
Cambiamo il nome a piacimento

Di nuovo ok e ritorniamo alla schermata principale

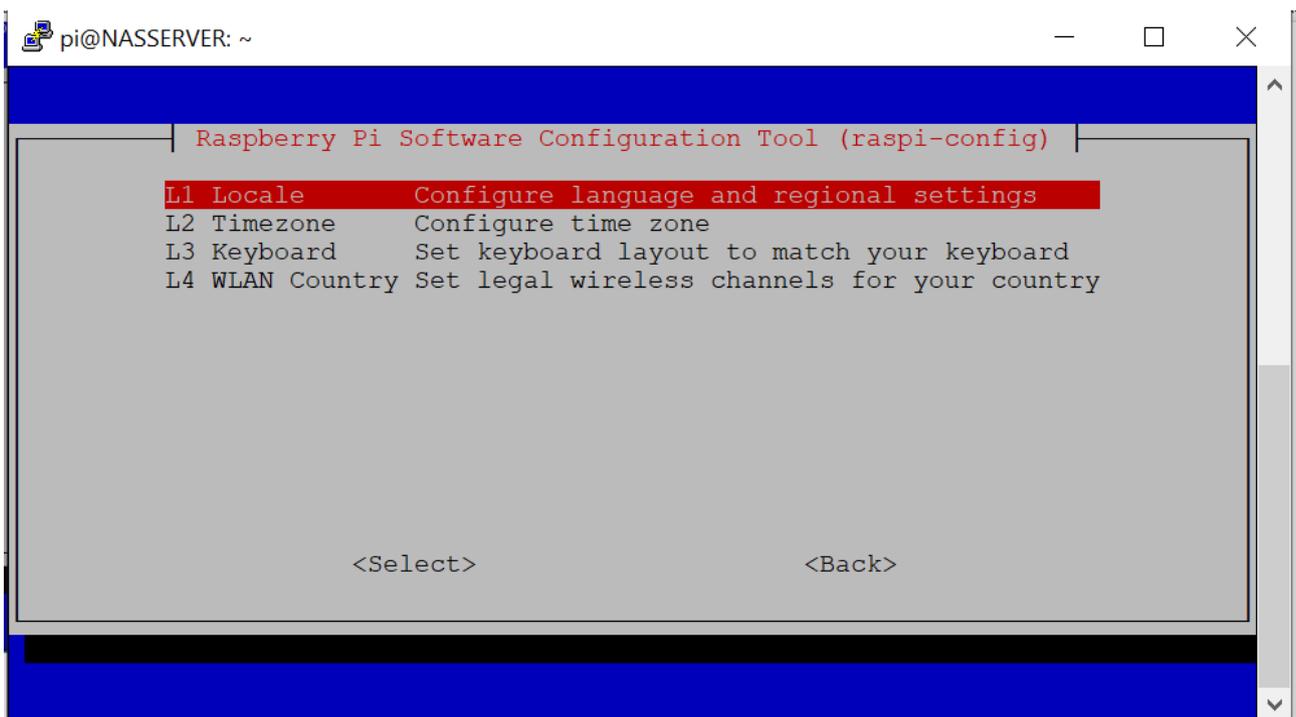


Per sicurezza rientrate e andate a vedere se realmente l'ha cambiato

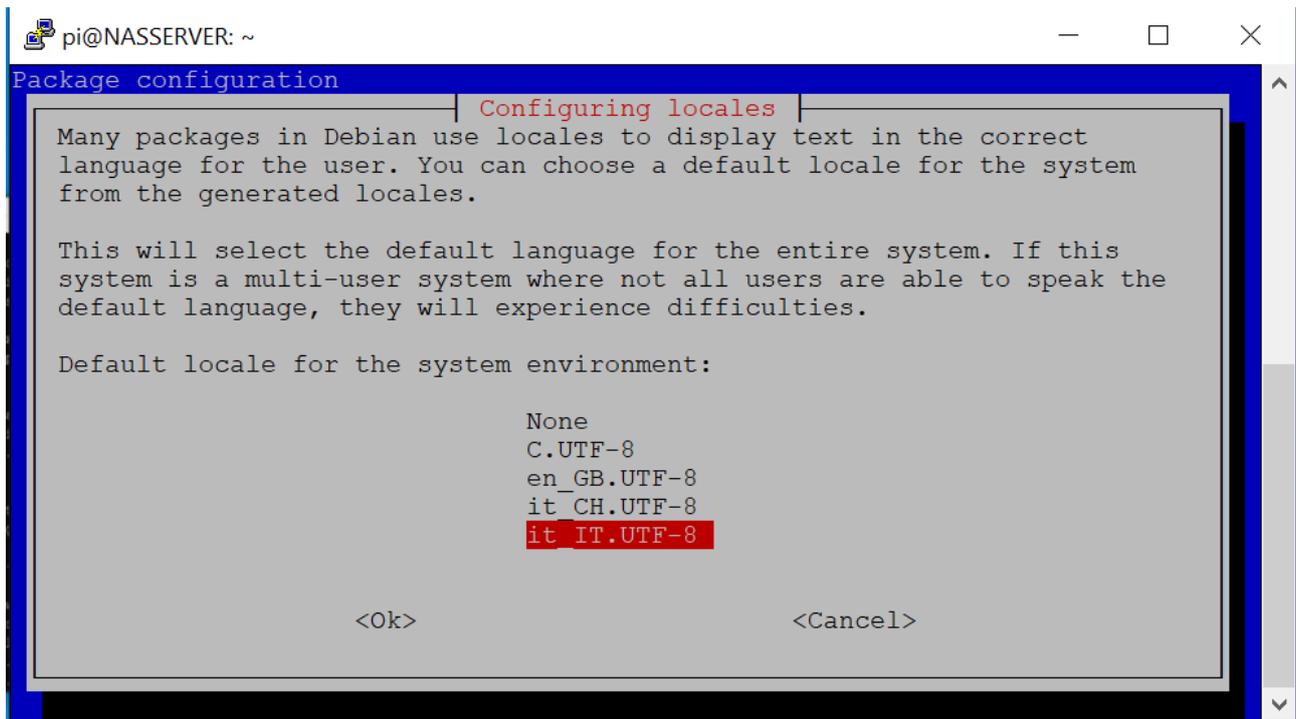
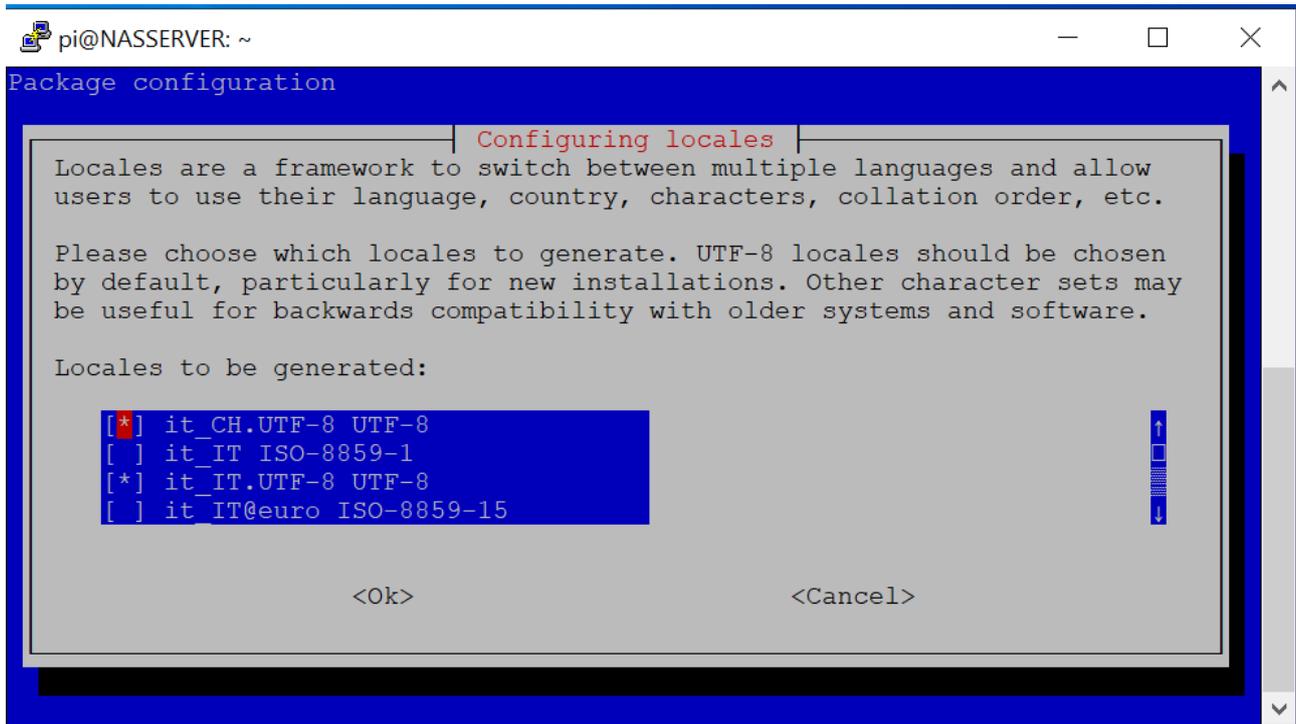
Adesso ci spostiamo su Localisation Options



Poi su locale

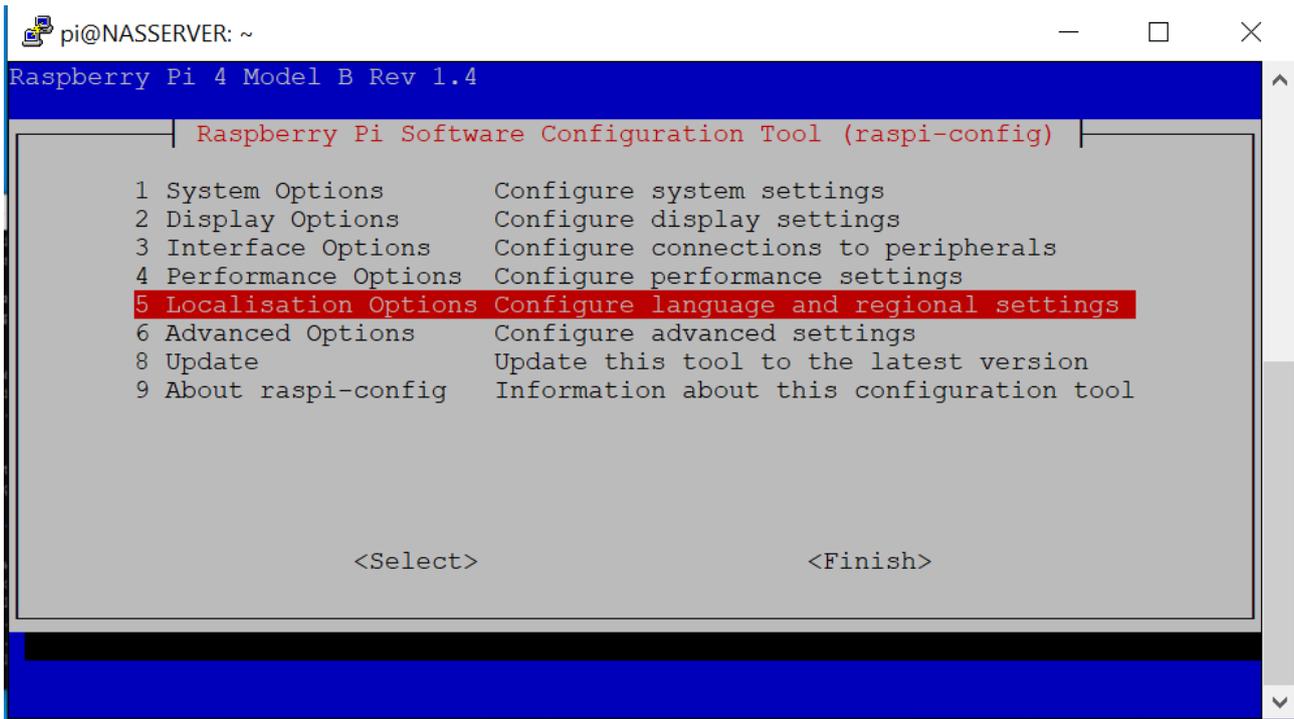


Con le frecce spostarci fino ad arrivare a “it_CH.UTF-8 UTF-8” e con la barra spaziatrice confermare

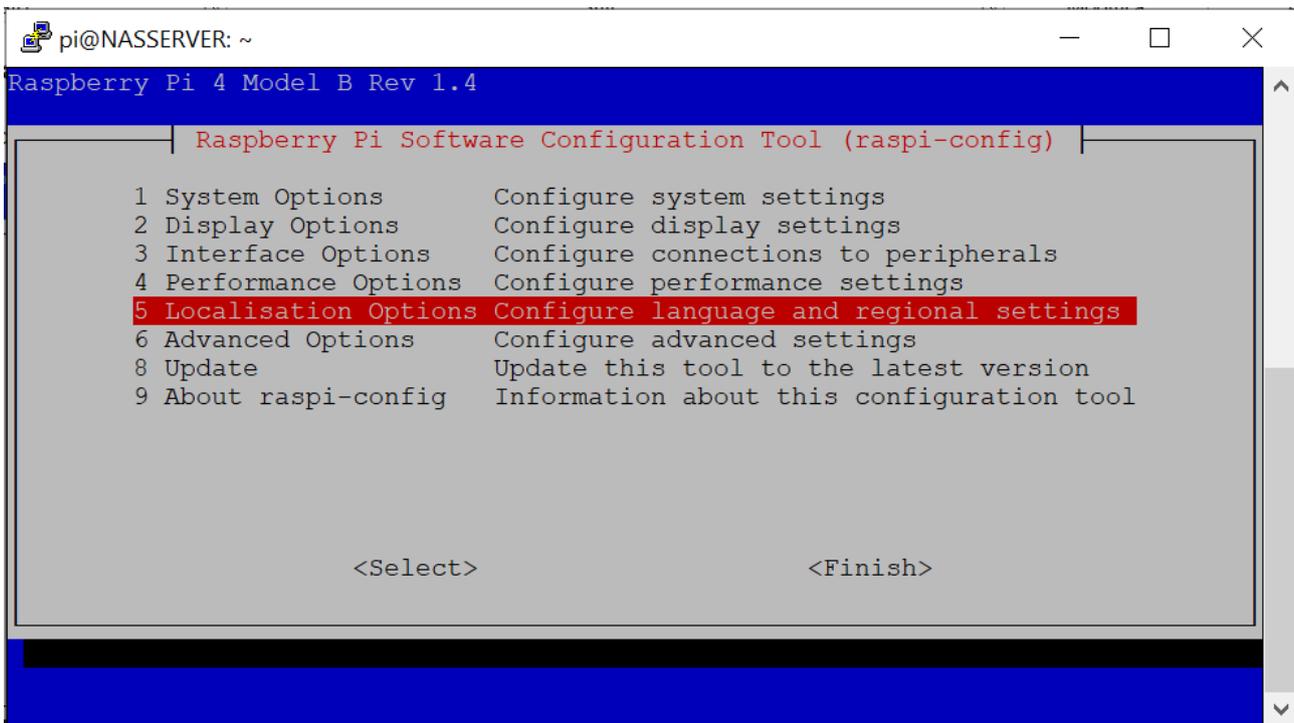


Dare l'OK

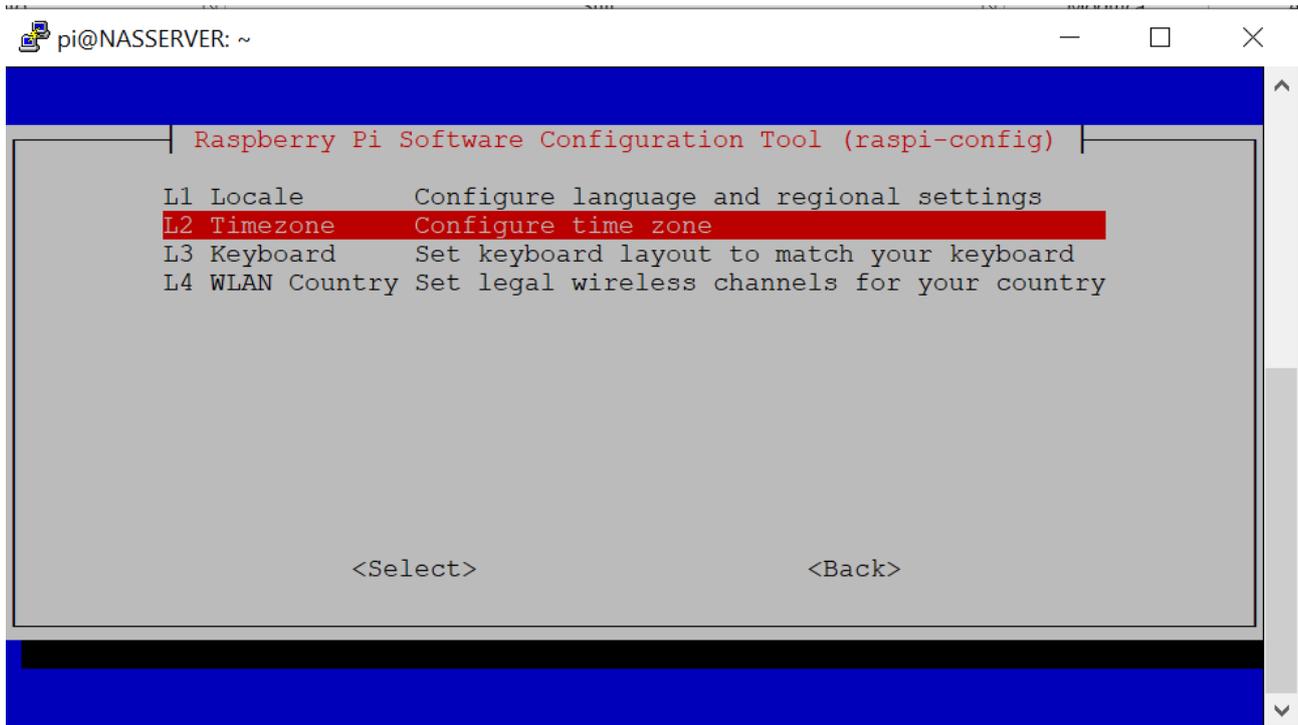
Tornare sulla schermata principale



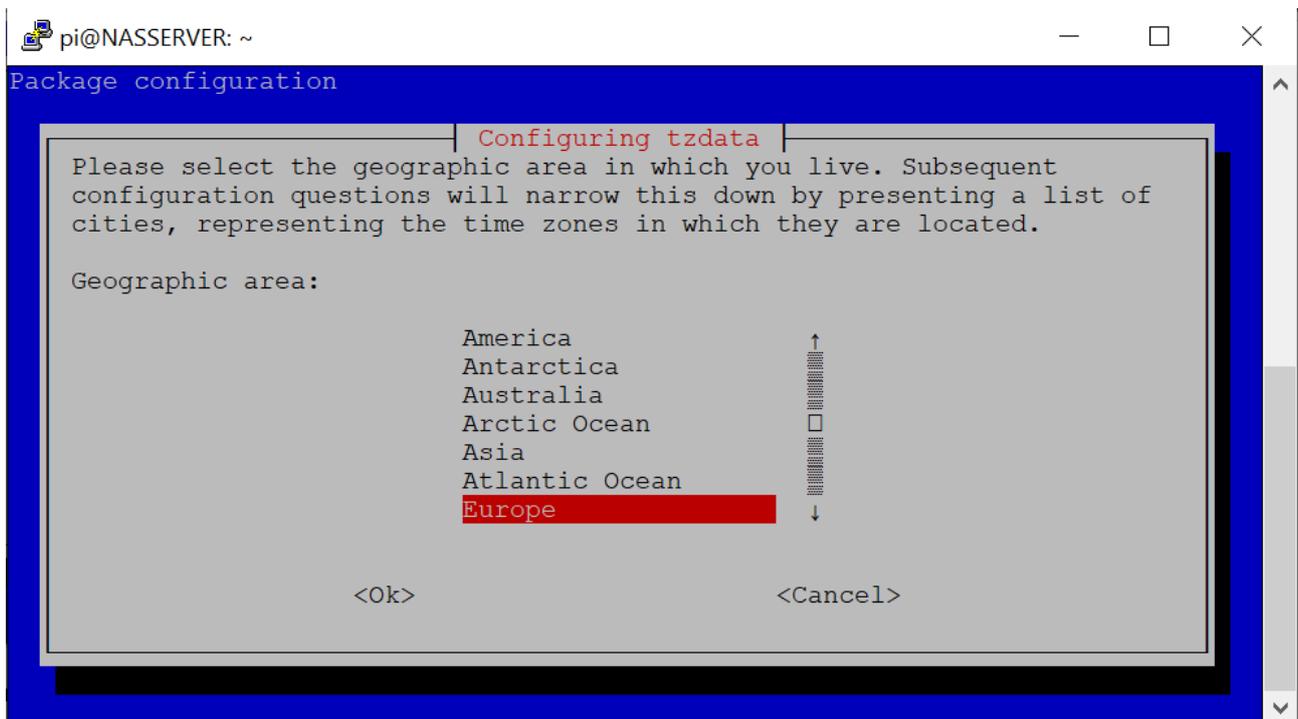
Andare sempre su Localisation Options



TIME ZONE

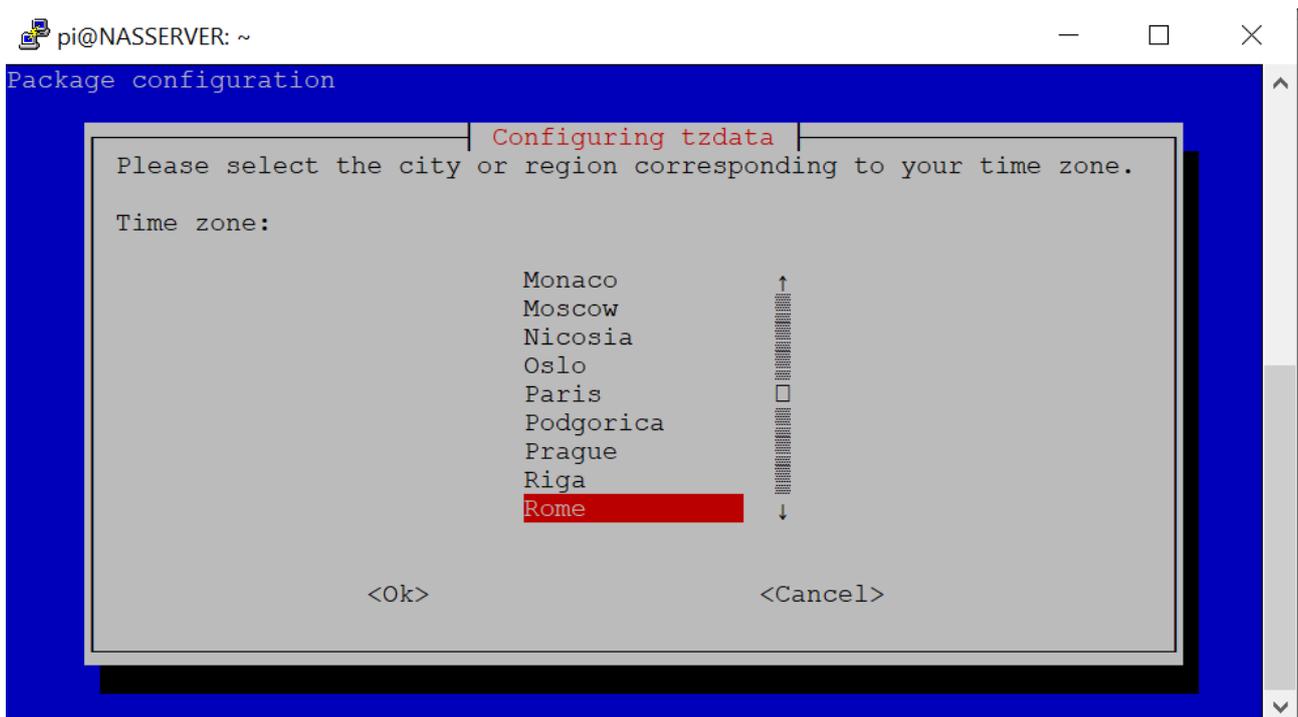


Andare su EUROPE

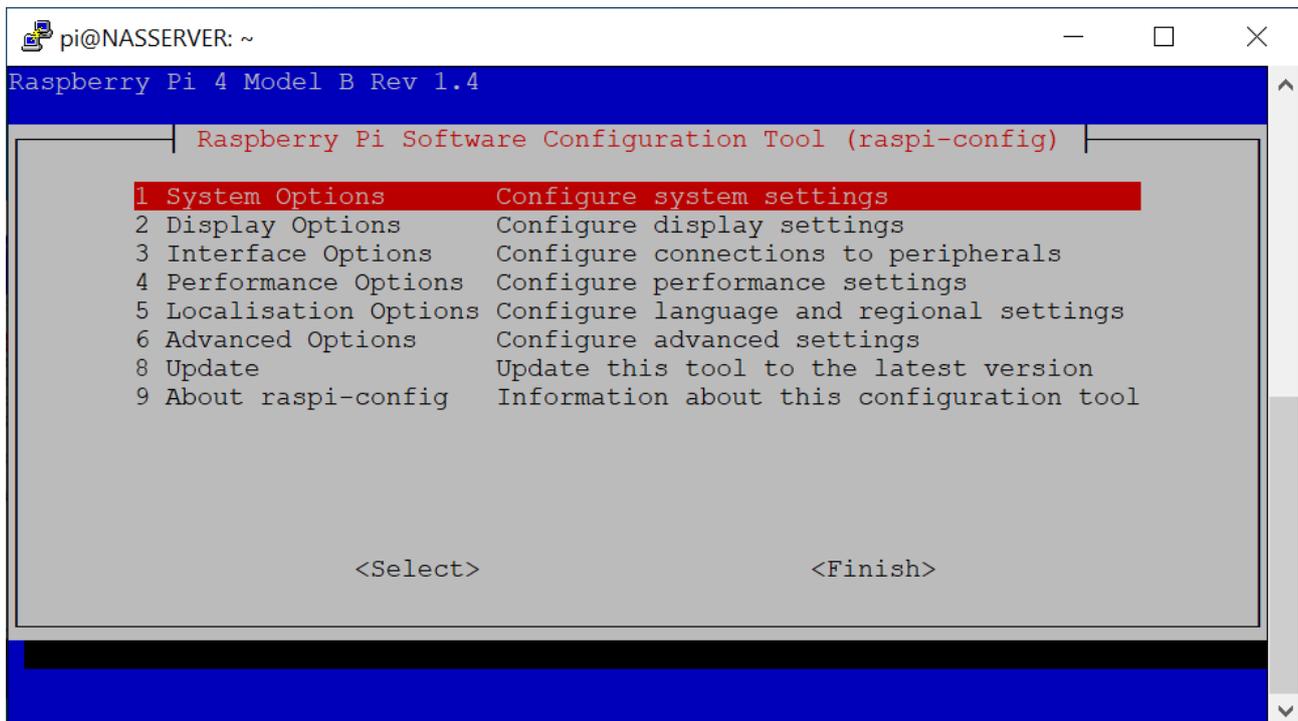


Dare l'OK

Andare su ROME



Tornare sulla schermata principale



Andare su Localisation Options

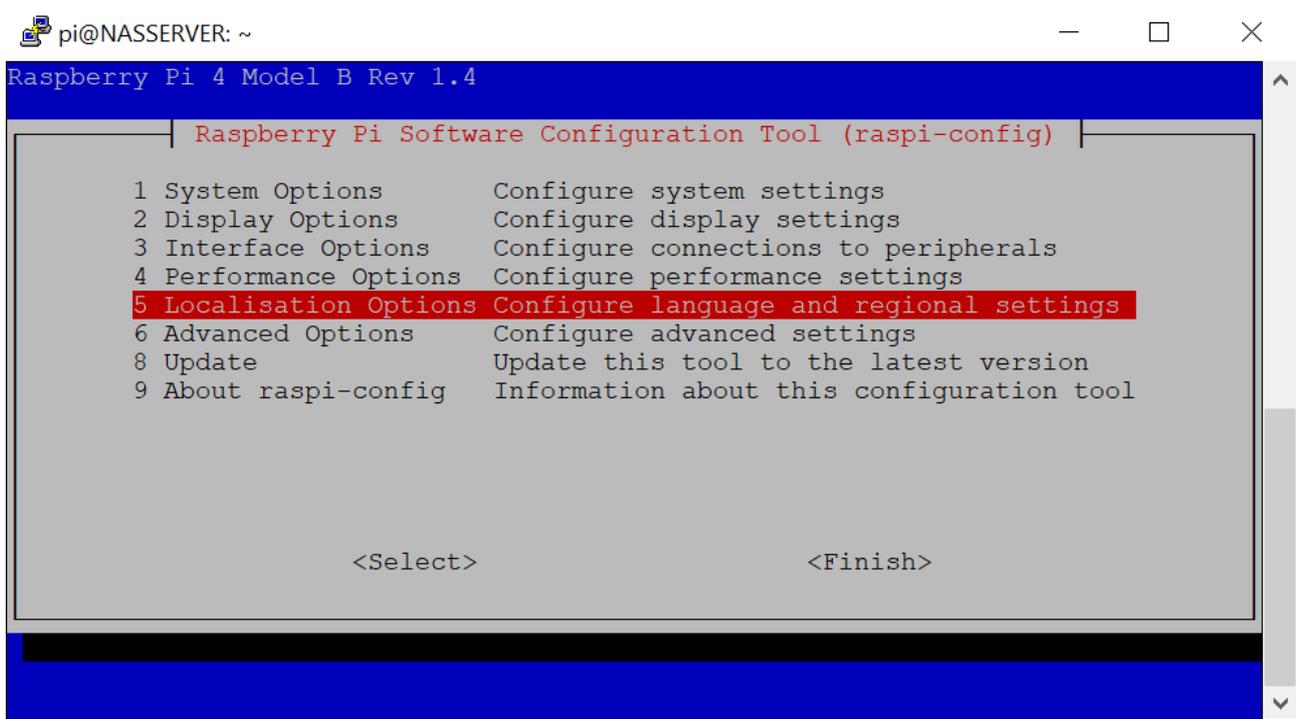
```
pi@NASSERVER: ~  
Raspberry Pi 4 Model B Rev 1.4  
Raspberry Pi Software Configuration Tool (raspi-config)  
1 System Options      Configure system settings  
2 Display Options    Configure display settings  
3 Interface Options   Configure connections to peripherals  
4 Performance Options Configure performance settings  
5 Localisation Options Configure language and regional settings  
6 Advanced Options    Configure advanced settings  
8 Update             Update this tool to the latest version  
9 About raspi-config  Information about this configuration tool  
  
<Select>                <Finish>
```

Keyboard

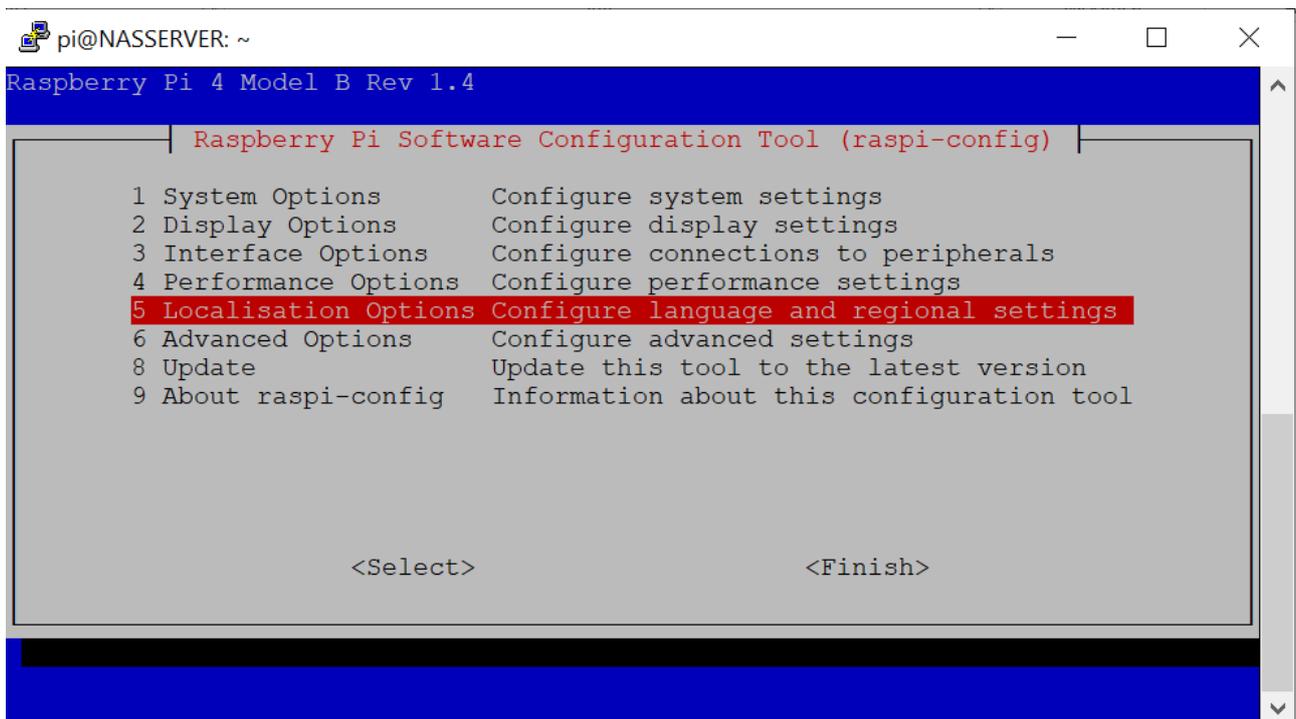
```
pi@NASSERVER: ~  
Raspberry Pi Software Configuration Tool (raspi-config)  
L1 Locale           Configure language and regional settings  
L2 Timezone         Configure time zone  
L3 Keyboard         Set keyboard layout to match your keyboard  
L4 WLAN Country     Set legal wireless channels for your country  
  
<Select>                <Back>
```

Dare l'OK

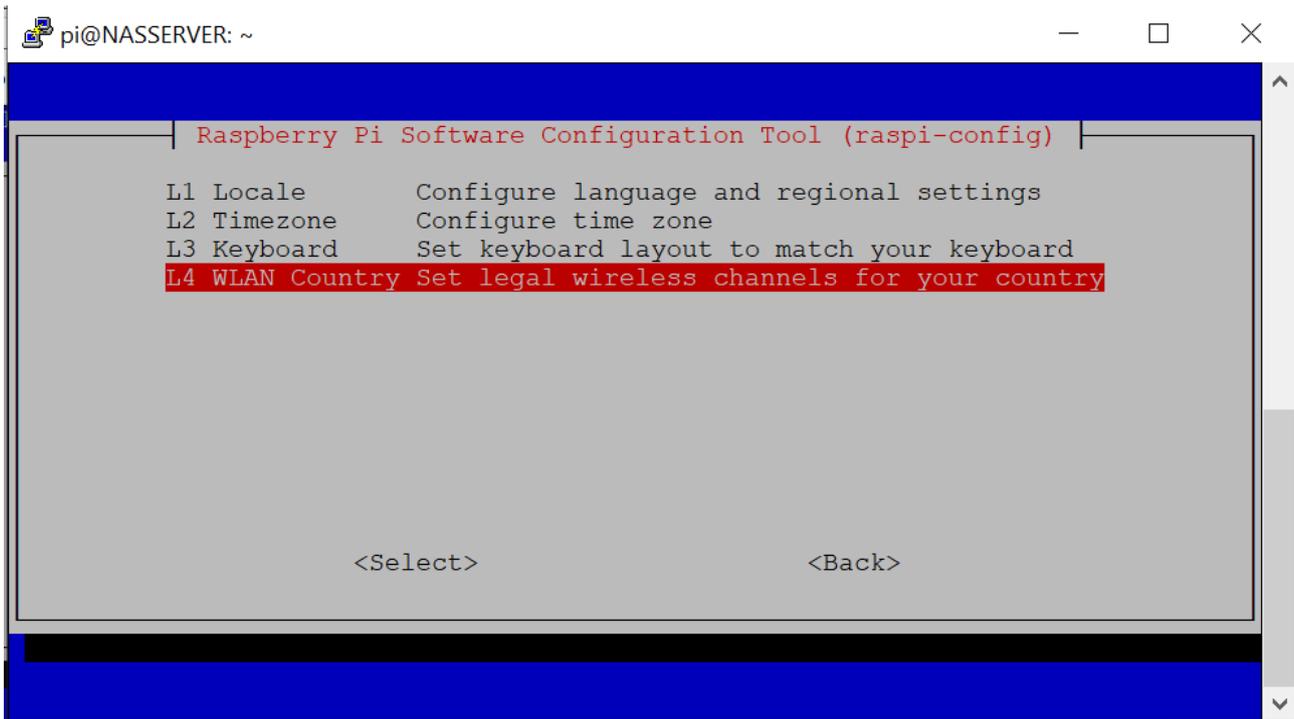
Ritornare alla pagina principale



Andare su Localisation Options

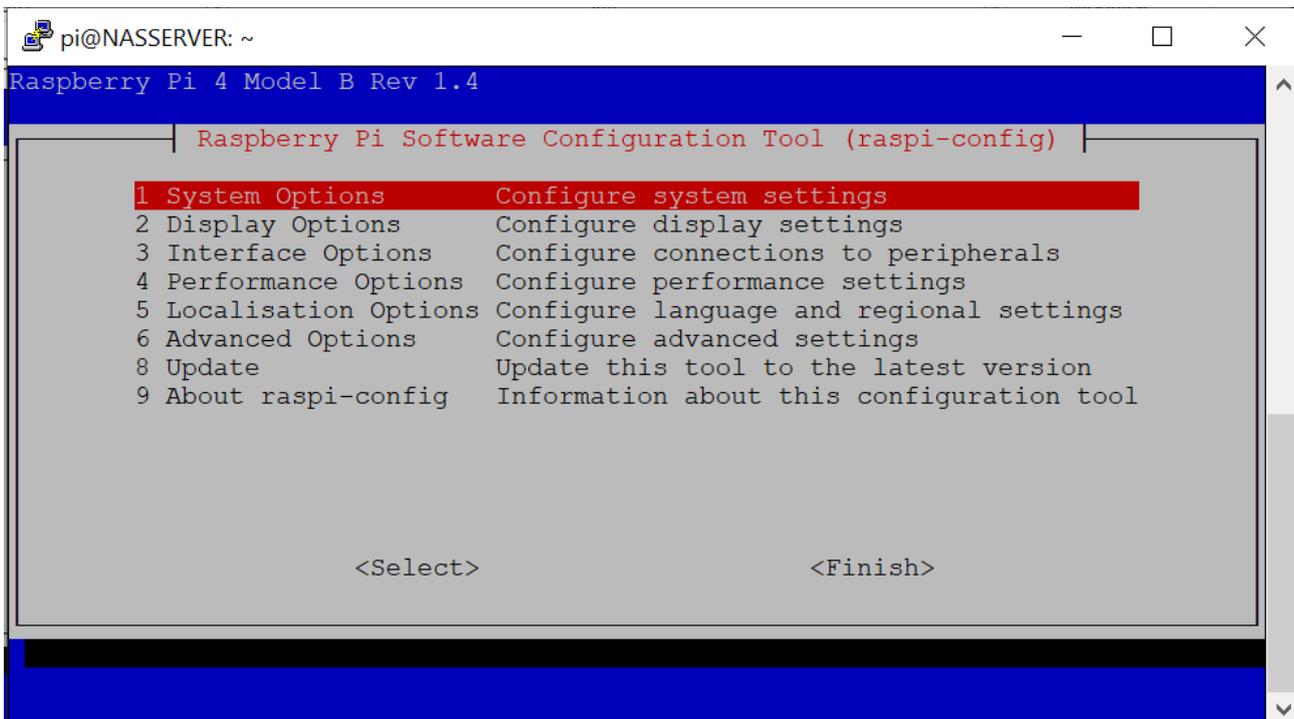


Andare su WLAN Country



Scegliere IT italy

Ritornare alla pagina principale

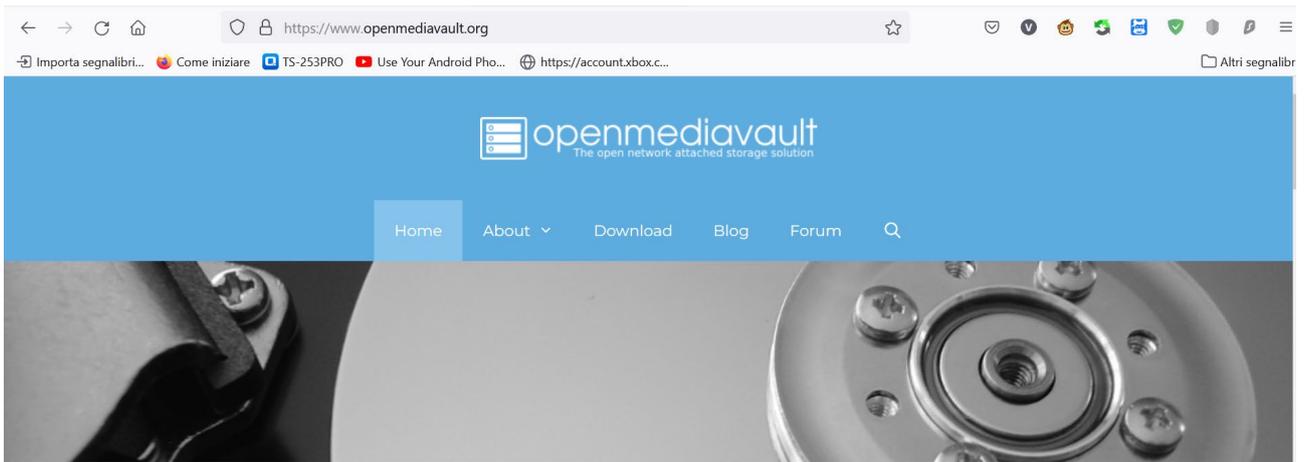


Andare su update

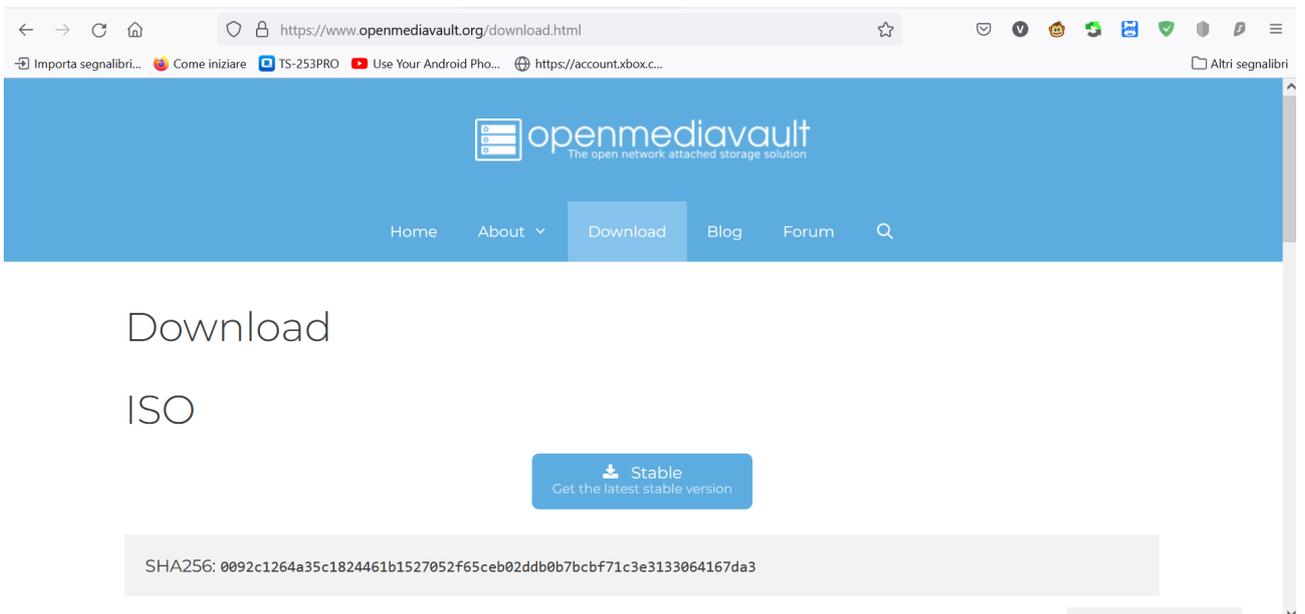
Invio e partono gli aggiornamenti (per sicurezza farlo 2 volte)

Dopo fare finish e uscire dalla schermata

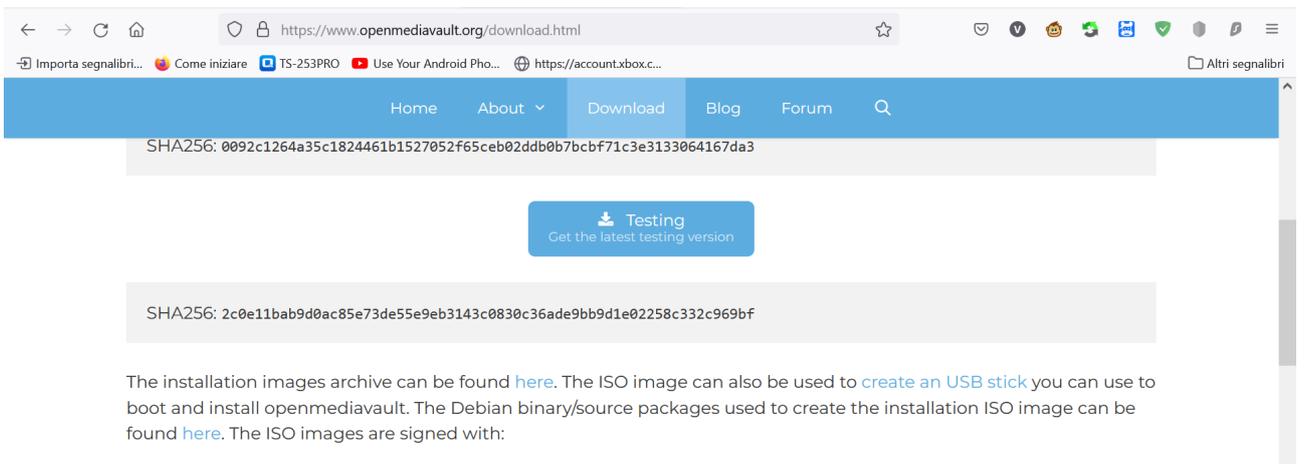
riavviare il raspberry con sudo reboot invio



andiamo sul sito <https://www.openmediavault.org/>
download



Scorriamo fino The installation images archive can be found [here](#)



Clicchiamo su [here](#)

← → ↻ 🏠 <https://sourceforge.net/projects/openmediavault/files/> ☆

📖 Importa segnalibri... 🌟 Come iniziare 📺 TS-253PRO 📺 Use Your Android Pho... 🌐 <https://account.xbox.c...>

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openmediavault

The open network attached storage solution
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Summary **Files** Reviews Support Code

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| Name | Modified | Size | Downloads / Week |
|----------|------------|------|------------------|
| 📁 6.0-34 | 2021-11-07 | | 2,721 📄 |
| 📁 5.6.13 | 2021-08-25 | | 10,875 📄 |

<https://sourceforge.net/projects/openmediavault/reviews/>

Andiamo a cercare ultima versione di openmediavault for single board computers

← → ↻ 🏠 <https://sourceforge.net/projects/openmediavault/files/> ☆

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| 📁 6.0-34 | 2021-11-07 | | 2,721 📄 |
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| 📁 gpl | 2021-07-09 | | 42 📄 |
| 📁 archive | 2021-07-09 | | 218 📄 |
| 📁 OMV 5.x for Single Board Computers | 2021-01-31 | | 277 📄 |
| 📁 packages | 2018-12-24 | | 6,685 📄 |
| Totals: 6 Items | | | 20,818 |

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| readme.txt | 2021-01-31 | 146 Bytes | 277   |
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The pre-install images have been deprecated in favor of using this guide - https://docs.openmediavault.org/en/5.x/new_user_guide/newuserguide.html

Source: readme.txt, updated 2021-01-31

Andiamo a selezionare

https://docs.openmediavault.org/en/5.x/new_user_guide/newuserguide.html

← → ↻ 🏠 [https://sourceforge.net/projects/openmediavault/files/OMV 5.x for Single Board Computers/](https://sourceforge.net/projects/openmediavault/files/OMV_5.x_for_Single_Board_Computers/) ☆

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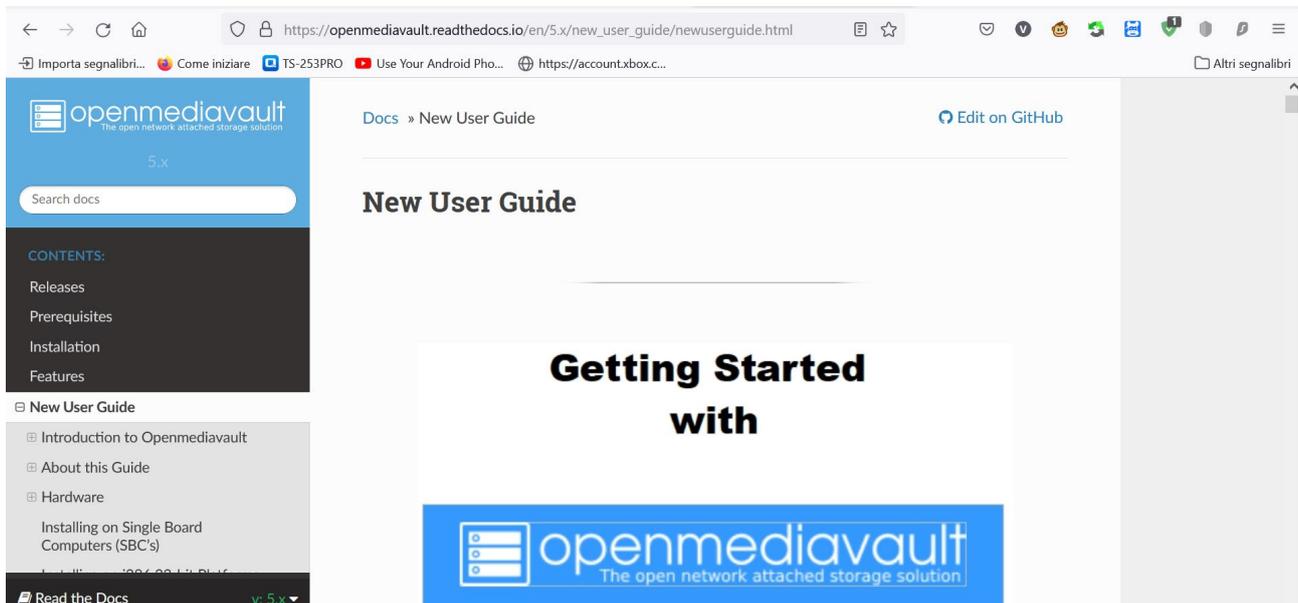
| Name | Modified | Size | Downloads / Week |
|----------------------------|------------|------------------|---|
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Source: readme.txt, updated 2021-01-31

Con il tasto destro del mouse copia

https://docs.openmediavault.org/en/5.x/new_user_guide/newuserguide.html e incollare in una nuova pagina html del browser

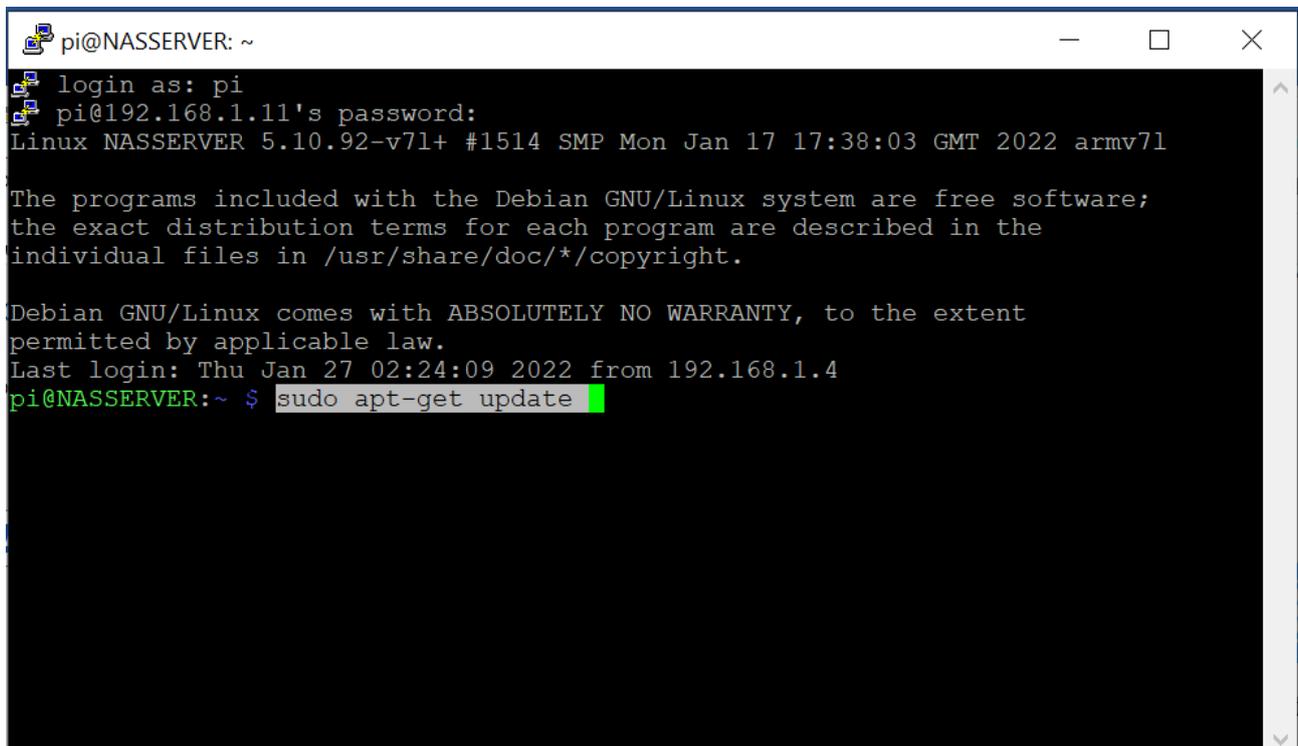


Scaricare il PDF della guida riguardante il raspberry

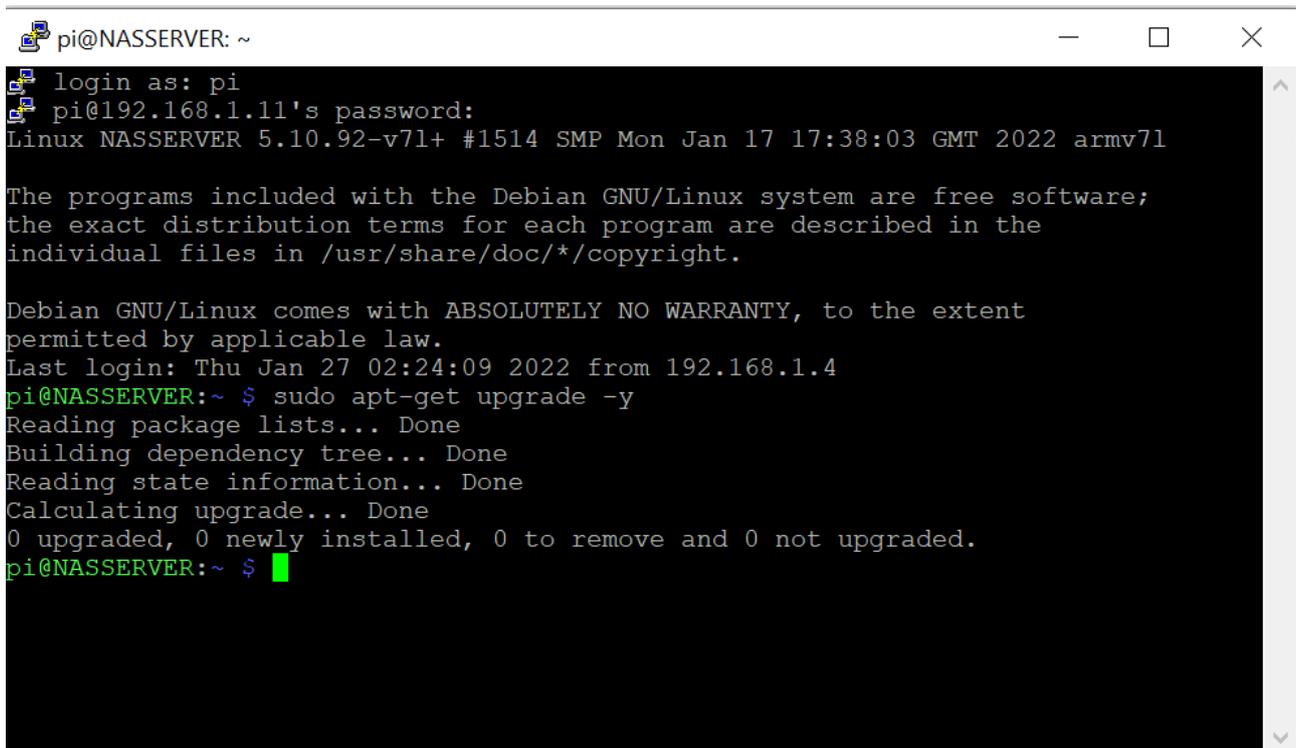
Scorriamo il file fino Raspberry PI OS Updates and Upgrades

Riapriamo putty

sudo apt-get update (questo comando non c'è bisogno in quanto l'abbiamo già fatto da interfaccia grafica) (per sicurezza lo rifacciamo)



sudo apt-get upgrade -y



```
pi@NASSERVER: ~  
login as: pi  
pi@192.168.1.11's password:  
Linux NASSERVER 5.10.92-v7l+ #1514 SMP Mon Jan 17 17:38:03 GMT 2022 armv7l  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Thu Jan 27 02:24:09 2022 from 192.168.1.4  
pi@NASSERVER:~ $ sudo apt-get upgrade -y  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Calculating upgrade... Done  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
pi@NASSERVER:~ $ █
```

sudo rm -f /etc/systemd/network/99-default.link

sudo reboot

prima di lanciare l'installazione di openmediavault dobbiamo aggiungere pi come user con il comando

sudo adduser pi ssh

scorrere nel PDF fino a Install OMV

copiare ed eseguire la stringa

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

al termine dell'installazione il raspberry si riavvierà da solo

