

# INSTALLAZIONE DI SPARROW

## per Windows e Linux

Per scaricare Sparrow, digitare Sparrow Wallet (entrambe le parole perché con solo Sparrow escono moltissimi risultati).

Si può usare sia il browser comunemente usato che Tor Browser.

Per verificare la firma si usa Kleopatra su Windows , mentre su Linux si può optare per Kleopatra oppure usare la riga di comando.

Lo sviluppatore di Sparrow ha pubblicato le istruzioni per verificare l'hash del file di installazione prima di lanciarlo. Se dovesse dare un risultato diverso, il file potrebbe essere corrotto o sostituito con un altro contenente traccianti o virus.

Per verificare l'hash si deve usare il terminale sia su Windows che su Linux.

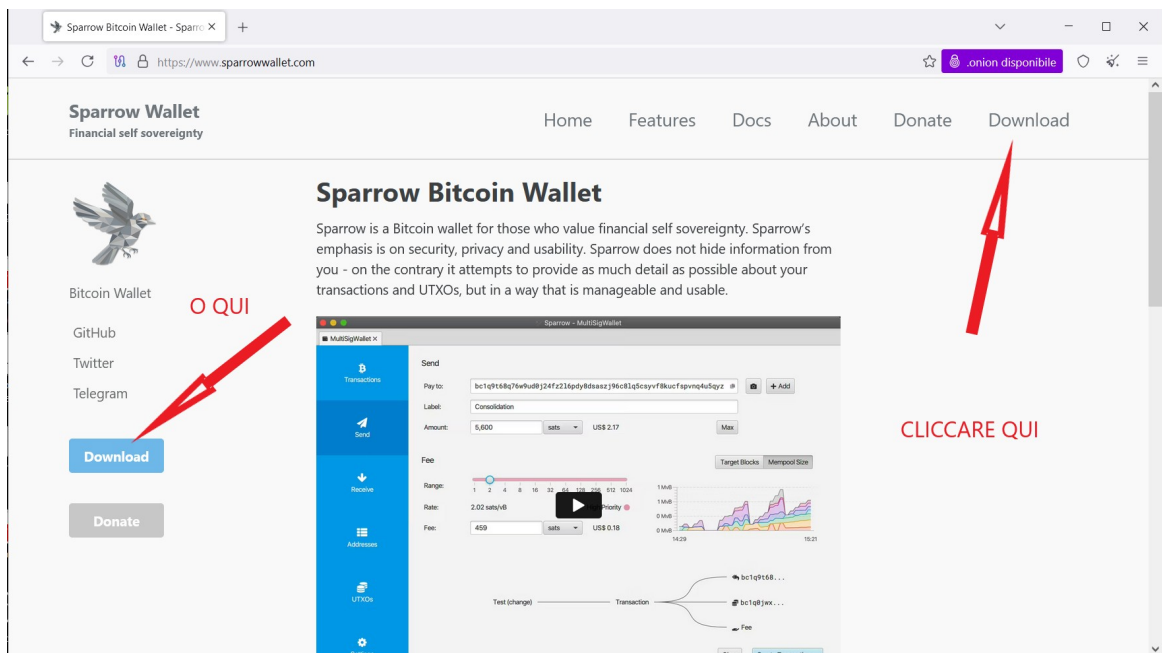
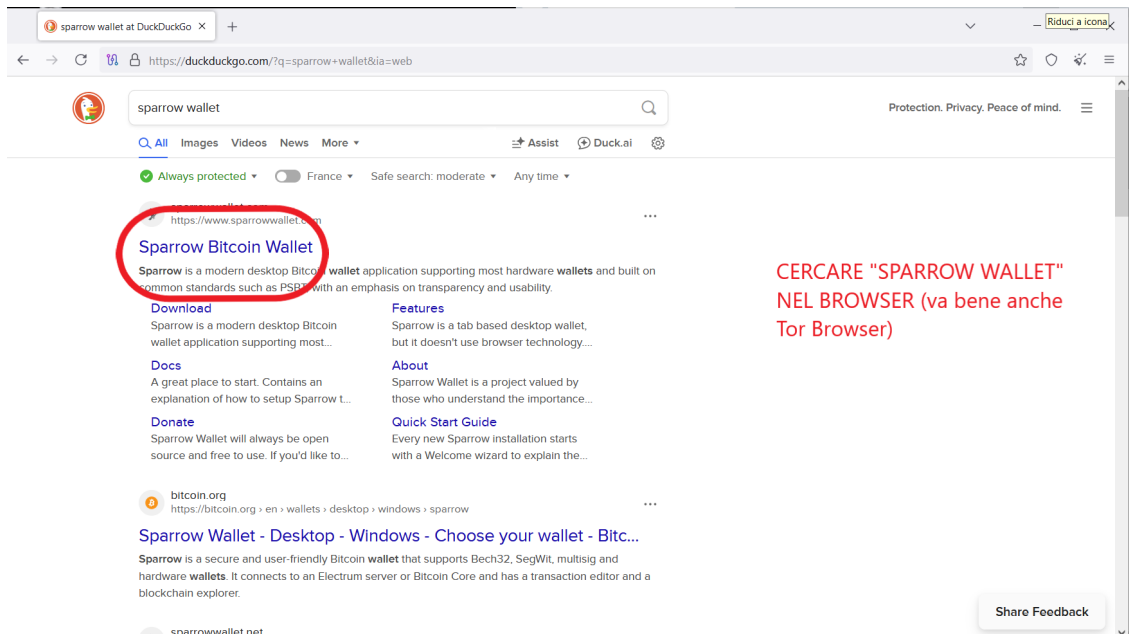
### IMPORTANTE:

Nella tabella con i file eseguibili, sia per Windows che per Linux, c'è la versione "STANDALONE" che serve per quei PC che non vanno in rete.

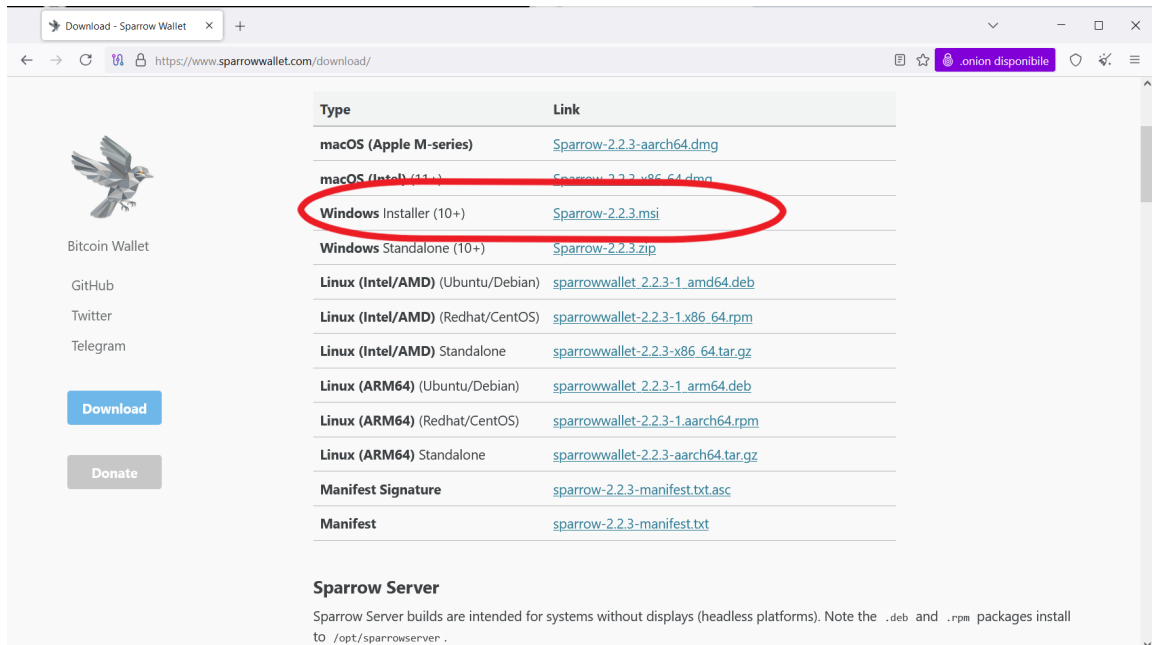
In questo caso vanno scaricati e verificati su un PC online poi copiati su chiavetta USB e con questa trasferire il file sul PC Offline.

Quindi andrà lanciato e installato.

Sul PC Offline, si potrà creare un wallet e firmare le transazioni di trasferimento dei fondi, ma essendo Offline non si vedranno né saldi né storico né nulla.



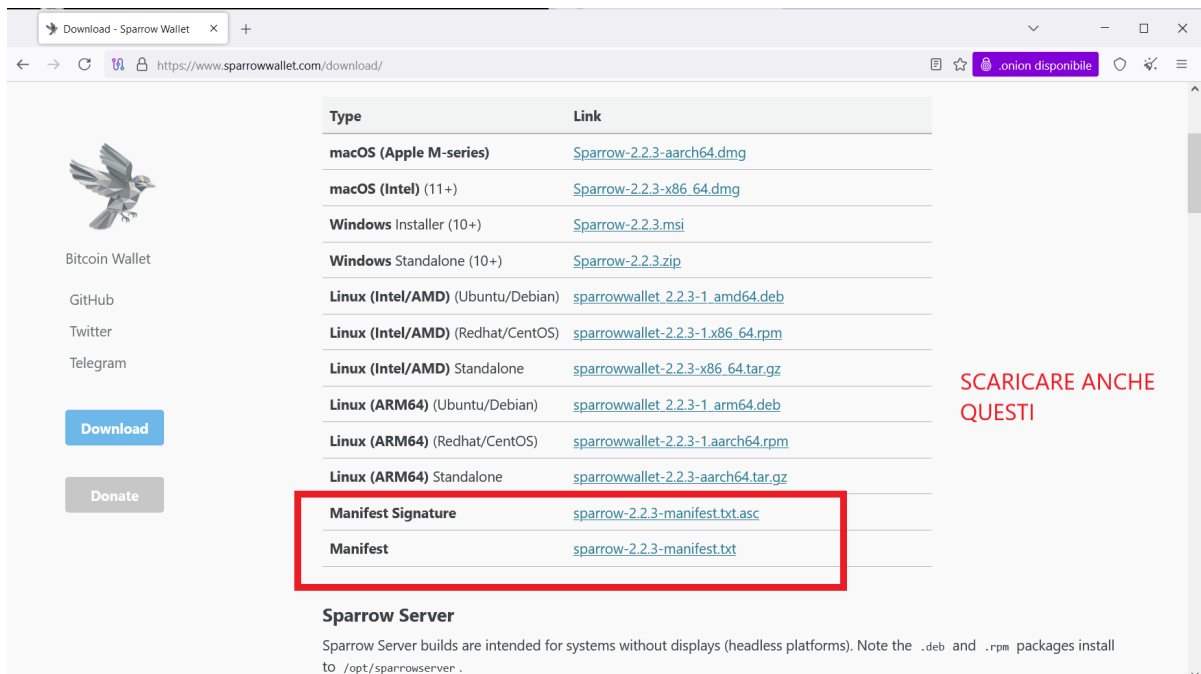
# WINDOWS



The screenshot shows the Sparrow Wallet download page. On the left, there is a sidebar with the Sparrow logo, 'Bitcoin Wallet', social media links for GitHub, Twitter, and Telegram, and 'Download' and 'Donate' buttons. The main content area features a table of download links for various operating systems. The 'Windows Installer (10+)' row is circled in red. Below the table, there is a section for 'Sparrow Server'.

| Type                              | Link   |
|-----------------------------------|--|
| macOS (Apple M-series)            | <a href="#">Sparrow-2.2.3-aarch64.dmg</a>          |
| macOS (Intel) (11+)               | <a href="#">Sparrow-2.2.3-x86_64.dmg</a>           |
| <b>Windows Installer (10+)</b>    | <a href="#">Sparrow-2.2.3.msi</a>                  |
| Windows Standalone (10+)          | <a href="#">Sparrow-2.2.3.zip</a>                  |
| Linux (Intel/AMD) (Ubuntu/Debian) | <a href="#">sparrowwallet-2.2.3-1_amd64.deb</a>    |
| Linux (Intel/AMD) (Redhat/CentOS) | <a href="#">sparrowwallet-2.2.3-1.x86_64.rpm</a>   |
| Linux (Intel/AMD) Standalone      | <a href="#">sparrowwallet-2.2.3-x86_64.tar.gz</a>  |
| Linux (ARM64) (Ubuntu/Debian)     | <a href="#">sparrowwallet-2.2.3-1_arm64.deb</a>    |
| Linux (ARM64) (Redhat/CentOS)     | <a href="#">sparrowwallet-2.2.3-1.aarch64.rpm</a>  |
| Linux (ARM64) Standalone          | <a href="#">sparrowwallet-2.2.3-aarch64.tar.gz</a> |
| Manifest Signature                | <a href="#">sparrow-2.2.3-manifest.txt.asc</a>     |
| Manifest                          | <a href="#">sparrow-2.2.3-manifest.txt</a>         |

**Sparrow Server**  
Sparrow Server builds are intended for systems without displays (headless platforms). Note the .deb and .rpm packages install to /opt/sparrowserver.




This screenshot is similar to the first one, but with a red box highlighting the 'Manifest Signature' and 'Manifest' rows in the download table. To the right of the table, there is a red text annotation in Italian. The 'Sparrow Server' section at the bottom remains the same.

| Type                              | Link   |
|-----------------------------------|--|
| macOS (Apple M-series)            | <a href="#">Sparrow-2.2.3-aarch64.dmg</a>          |
| macOS (Intel) (11+)               | <a href="#">Sparrow-2.2.3-x86_64.dmg</a>           |
| Windows Installer (10+)           | <a href="#">Sparrow-2.2.3.msi</a>                  |
| Windows Standalone (10+)          | <a href="#">Sparrow-2.2.3.zip</a>                  |
| Linux (Intel/AMD) (Ubuntu/Debian) | <a href="#">sparrowwallet-2.2.3-1_amd64.deb</a>    |
| Linux (Intel/AMD) (Redhat/CentOS) | <a href="#">sparrowwallet-2.2.3-1.x86_64.rpm</a>   |
| Linux (Intel/AMD) Standalone      | <a href="#">sparrowwallet-2.2.3-x86_64.tar.gz</a>  |
| Linux (ARM64) (Ubuntu/Debian)     | <a href="#">sparrowwallet-2.2.3-1_arm64.deb</a>    |
| Linux (ARM64) (Redhat/CentOS)     | <a href="#">sparrowwallet-2.2.3-1.aarch64.rpm</a>  |
| Linux (ARM64) Standalone          | <a href="#">sparrowwallet-2.2.3-aarch64.tar.gz</a> |
| <b>Manifest Signature</b>         | <a href="#">sparrow-2.2.3-manifest.txt.asc</a>     |
| <b>Manifest</b>                   | <a href="#">sparrow-2.2.3-manifest.txt</a>         |

**SCARICARE ANCHE QUESTI**

**Sparrow Server**  
Sparrow Server builds are intended for systems without displays (headless platforms). Note the .deb and .rpm packages install to /opt/sparrowserver.



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## Verifying the Release

For all Bitcoin software, it's a particularly important security step to verify the release. This is done to ensure the installation file you download has not been compromised.

### Sparrow 1.8.3 or later

If you have Sparrow 1.8.3 or later installed, this is simple to do using Sparrow itself. Just download the following 3 files to the same folder (for example, your Downloads folder):

- **Manifest Signature:** [sparrow-2.2.3-manifest.txt.asc](#)
- **Manifest:** [sparrow-2.2.3-manifest.txt](#)
- Your install file from the list above


Drag and drop any of these files onto Sparrow, and the Verify Download dialog will open and verify your download. You can also open the Verify Download dialog from the Tools menu.

Signed By: Craig Raw <craig@sparrowwallet.com> on Mon Jun 9 16:20:46 2025 SAST

Release Hash: Matched manifest hash

Verified: Ready to install [Sparrow-2.2.3-aarch64.dmg](#)

PROSEGUIRE CON LE ISTRUZIONI RELATIVE A WINDOWS



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You can also use this tool to verify other software, like Bitcoin Core or the firmware for a [hardware wallet](#).

### Earlier releases

With earlier versions of Sparrow, you'll need to have gpg or gpg2 installed on your system (see here for [macOS](#) or [Windows](#), on Linux it's preinstalled). Once you've installed gpg, you'll need to use the command line. You can do this by opening Terminal.app in macOS, or Start > Run > `cmd` in Windows.

First, import the keys that have signed this release (if you haven't done so already, or if a previously imported key has expired):

```
curl https://keybase.io/craigraw/pgp_keys.asc | gpg --import
```

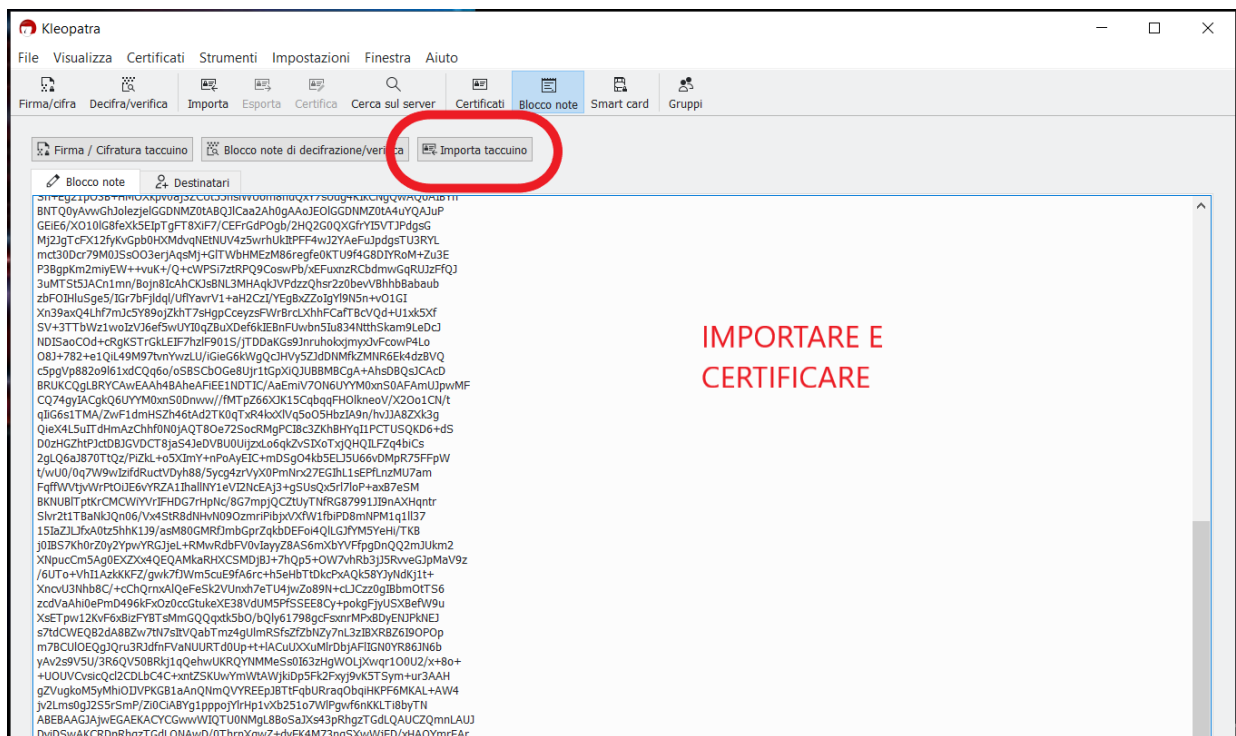
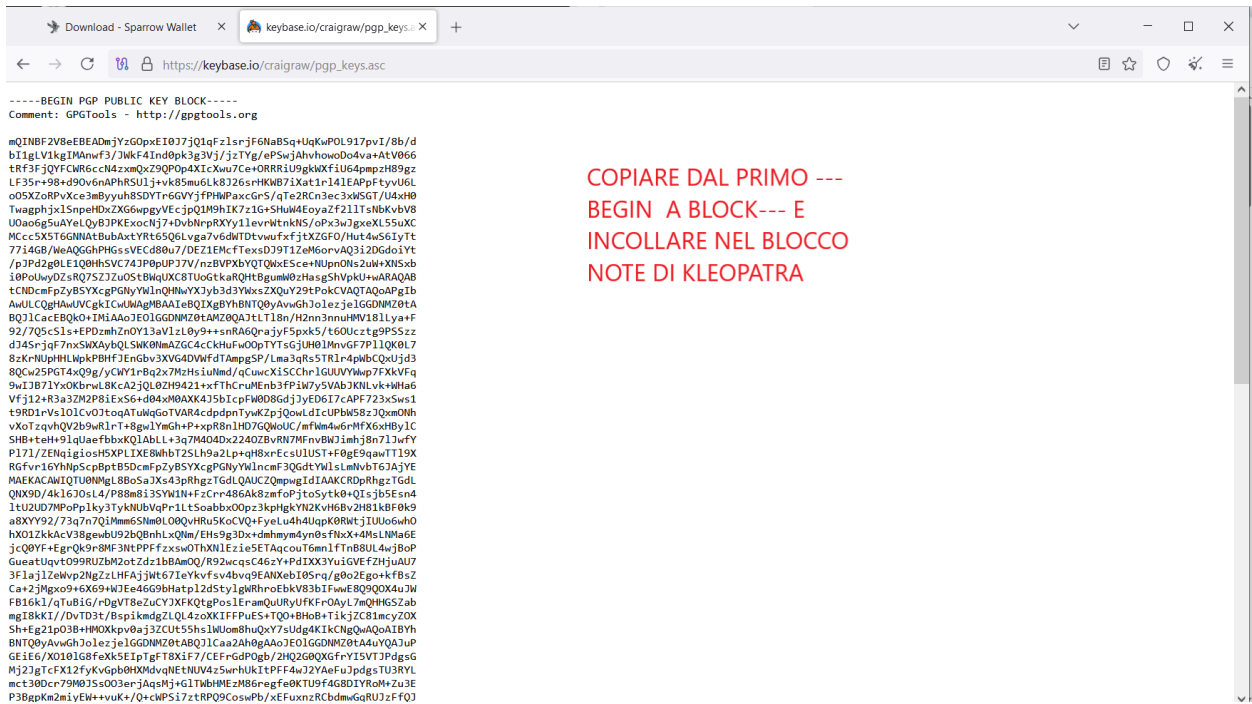
Once you have the required PGP keys, you can verify the release. Download `sparrow-2.2.3-manifest.txt.asc` from the table above to the same directory (for example, your Downloads directory). Then verify the manifest file with:

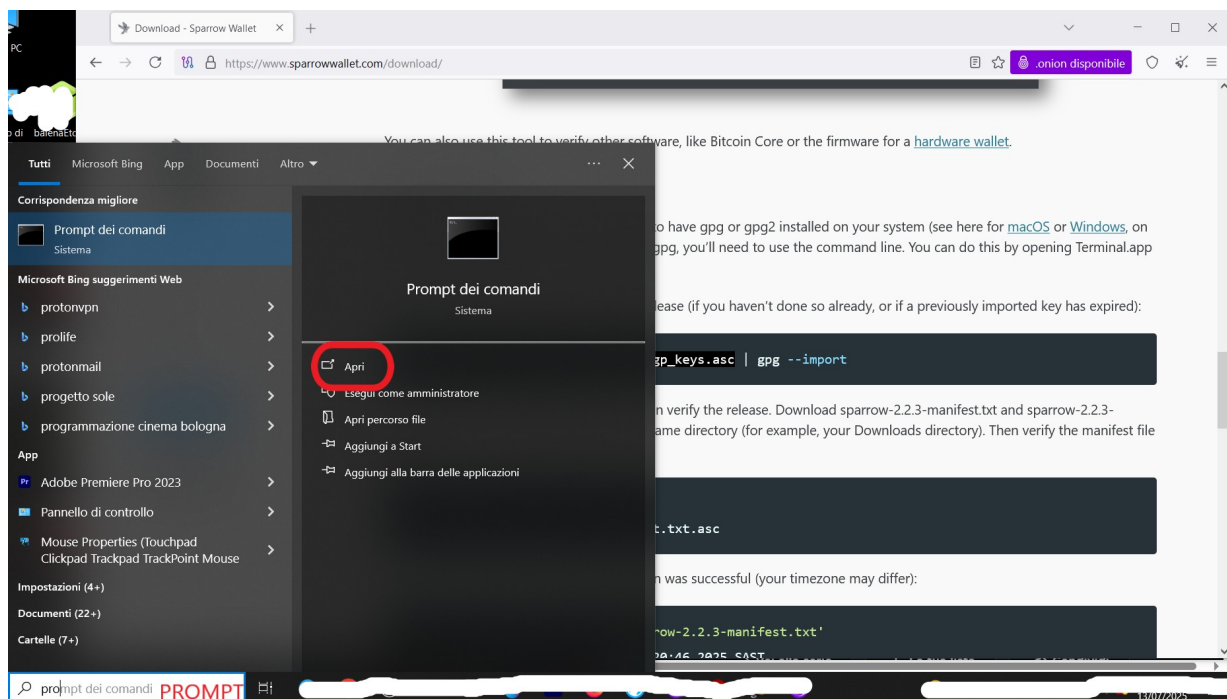
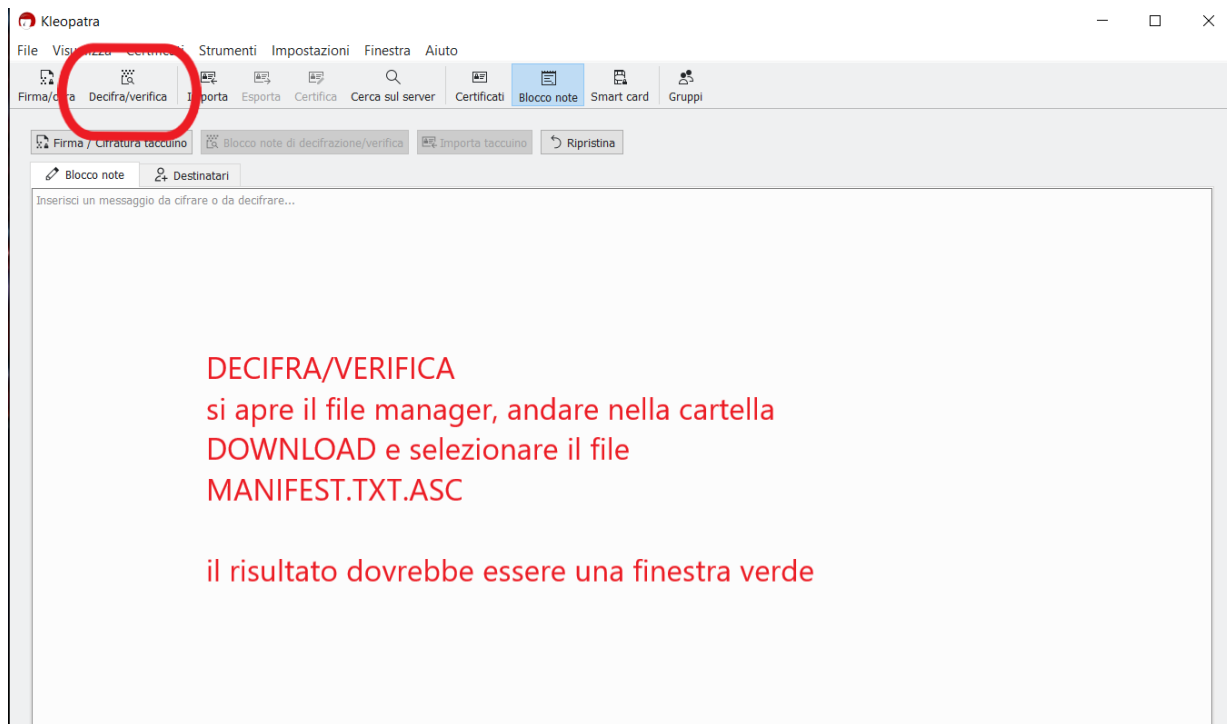
```
cd Downloads
gpg --verify sparrow-2.2.3-manifest.txt.asc
```

You should see the following if the verification was successful (your timezone may differ):

```
gpg: assuming signed data in 'sparrow-2.2.3-manifest.txt'
gpg: Signature made Mon Jun 9 16:20:46 2025 SAST
```

COPIARE E INCOLLARE NEL BROWSER per avere la firma dello sviluppatore da caricare su Kleopatra





```
Prompt dei comandi
Microsoft Windows [Versione 10.0.19045.6093]
(c) Microsoft Corporation. Tutti i diritti sono riservati.
C:\Users\Utentexcd\Downloads

SCRIVERE IL COMANDO cd Downloads PER
POSIZIONARSI NELLA CARTELLA DOVE CI SONO I FILES
DI SPARROW
poi cliccare INVIO
```

Download - Sparrow Wallet

https://www.sparrowwallet.com/download/

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**macOS**

```
shasum --check sparrow-2.2.3-manifest.txt --ignore-missing
Sparrow-2.2.3.dmg: OK
```

Note: Older versions of macOS (pre v11) don't support --ignore-missing. You can leave it out and ignore the missing files reported.

**Linux**

```
sha256sum --check sparrow-2.2.3-manifest.txt --ignore-missing
sparrowwallet_2.2.3-1_amd64.deb: OK
```

**Windows**

```
CertUtil -hashfile Sparrow-2.2.3.msi SHA256 | findstr /v "hash"
```

Compare result to the appropriate value in sparrow-2.2.3-manifest.txt!

With all these steps complete you can be certain of the integrity of your download and can proceed to install!

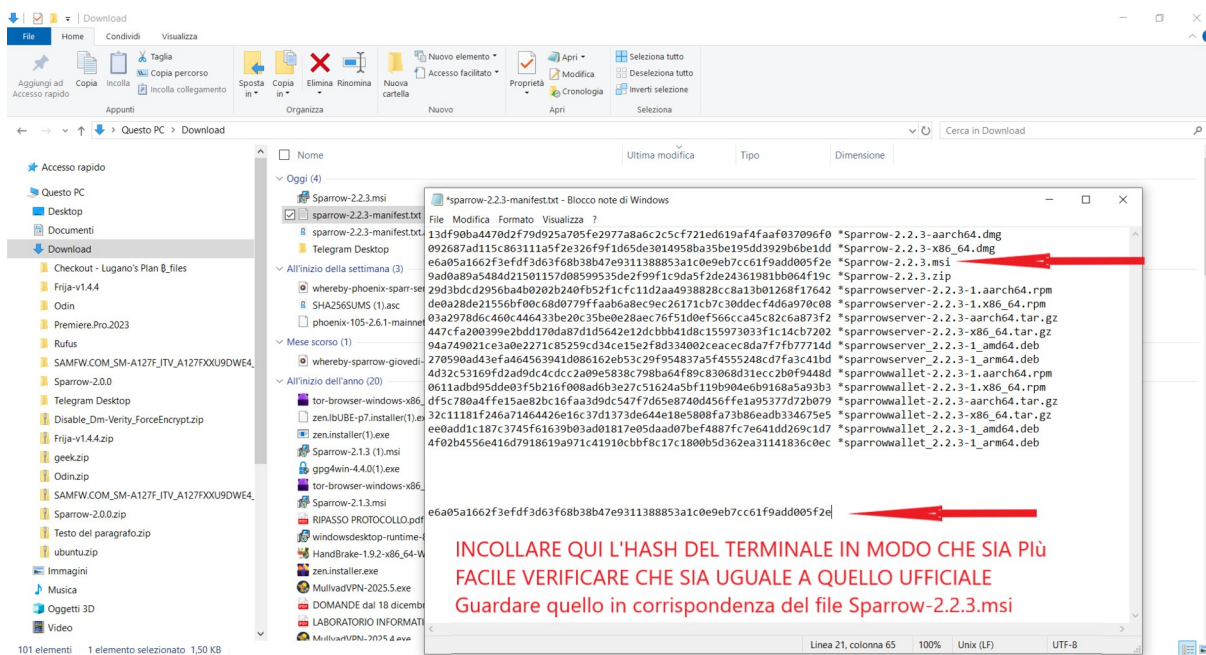
If you are still struggling, watch [this tutorial](#) which covers the same process on macOS. There are also written tutorials for Windows and Ubuntu.

COPIARE LA PRIMA RIGA E INCOLLARLA NEL TERMINALE, quindi cliccare invio.

```
Prompt dei comandi
Microsoft Windows [Versione 10.0.19045.6093]
(c) Microsoft Corporation. Tutti i diritti sono riservati.

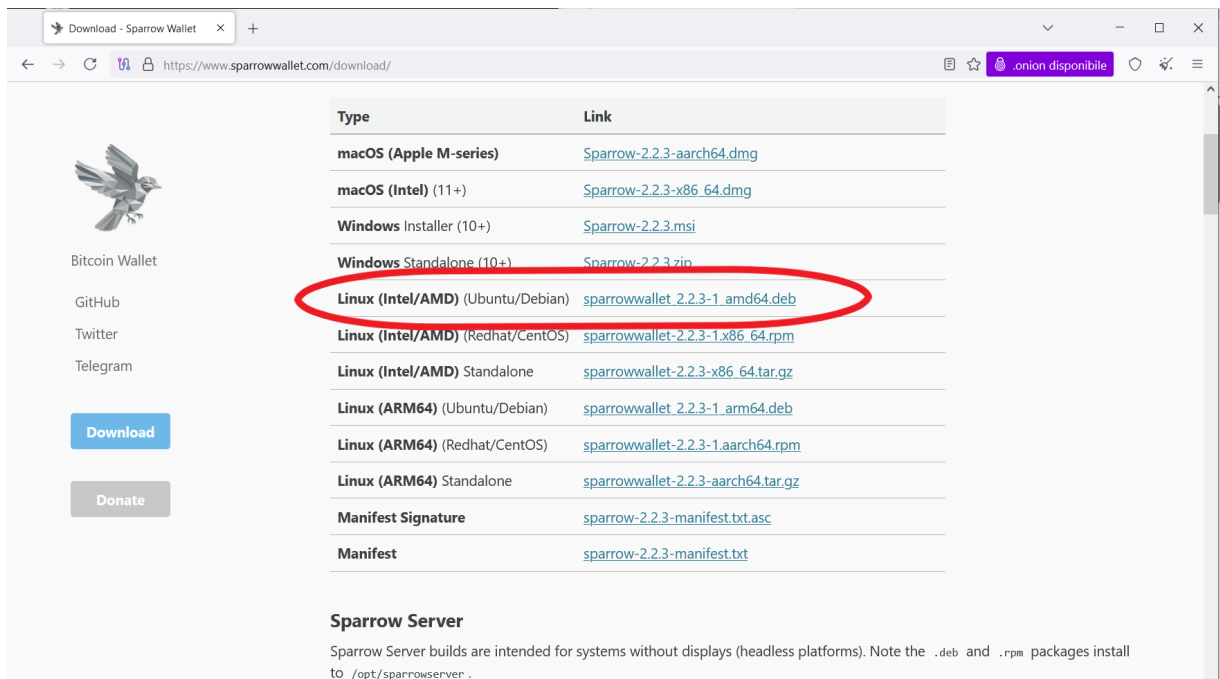
C:\Users\Utente>cd Downloads
C:\Users\Utente\Downloads>certutil -hashfile Sparrow-2.2.3.msi SHA256 | findstr /v "hash"
e6a05a1662f3efd3d63f68b38b47e9311388853a1c0e9eb7cc61f9add005f2e
C:\Users\Utente\Downloads>
```

copiare l'hash prodotto in base al file scaricato per verificare che sia uguale a quello pubblicato dallo sviluppatore nel file manifest.txt





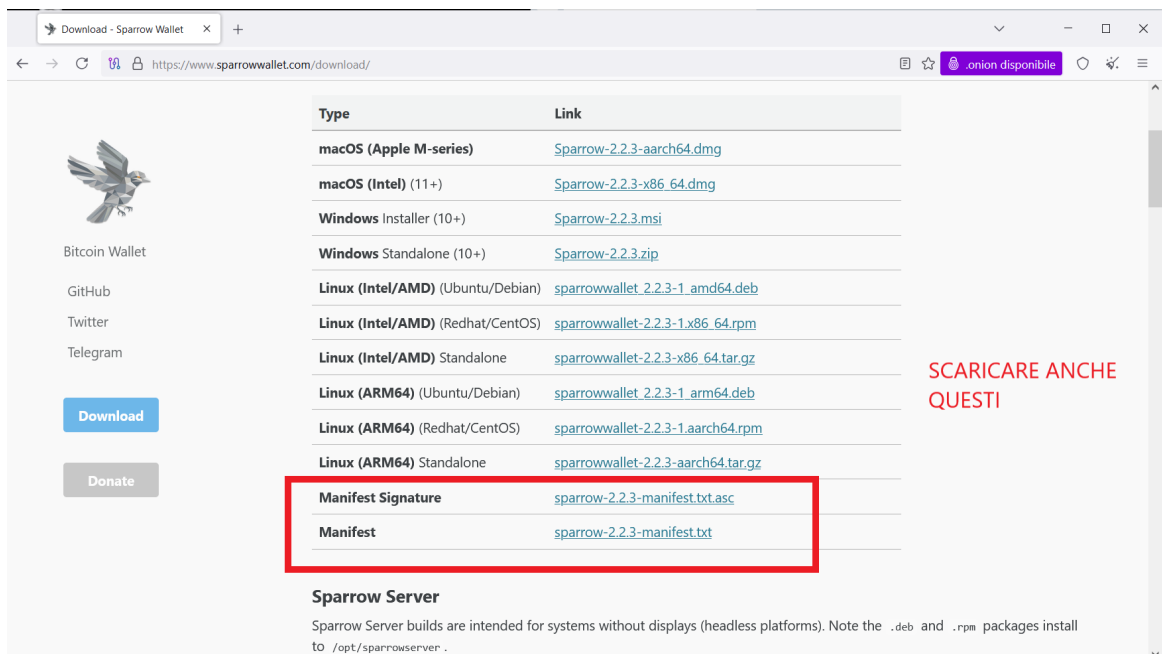
# LINUX



The screenshot shows the Sparrow Wallet download page. On the left, there is a sidebar with the Sparrow logo, links to Bitcoin Wallet, GitHub, Twitter, and Telegram, and buttons for Download and Donate. The main content area features a table with two columns: Type and Link. The table lists various operating systems and architectures. The link for Linux (Intel/AMD) (Ubuntu/Debian) is circled in red.

| Type                                     | Link   |
|--|--|
| macOS (Apple M-series)                   | <a href="#">Sparrow-2.2.3-aarch64.dmg</a>              |
| macOS (Intel) (11+)                      | <a href="#">Sparrow-2.2.3-x86_64.dmg</a>               |
| Windows Installer (10+)                  | <a href="#">Sparrow-2.2.3.msi</a>                      |
| Windows Standalone (10+)                 | <a href="#">Sparrow-2.2.3.zip</a>                      |
| <b>Linux (Intel/AMD) (Ubuntu/Debian)</b> | <b><a href="#">sparrowwallet-2.2.3-1-amd64.deb</a></b> |
| Linux (Intel/AMD) (Redhat/CentOS)        | <a href="#">sparrowwallet-2.2.3-1.x86_64.rpm</a>       |
| Linux (Intel/AMD) Standalone             | <a href="#">sparrowwallet-2.2.3-x86_64.tar.gz</a>      |
| Linux (ARM64) (Ubuntu/Debian)            | <a href="#">sparrowwallet-2.2.3-1-arm64.deb</a>        |
| Linux (ARM64) (Redhat/CentOS)            | <a href="#">sparrowwallet-2.2.3-1.aarch64.rpm</a>      |
| Linux (ARM64) Standalone                 | <a href="#">sparrowwallet-2.2.3-aarch64.tar.gz</a>     |
| Manifest Signature                       | <a href="#">sparrow-2.2.3-manifest.txt.asc</a>         |
| Manifest                                 | <a href="#">sparrow-2.2.3-manifest.txt</a>             |

**Sparrow Server**  
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The screenshot shows the same Sparrow Wallet download page. In this view, the links for Manifest Signature and Manifest are highlighted with a red box. To the right of the table, there is a red text annotation.

| Type                              | Link  |
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| Windows Standalone (10+)          | <a href="#">Sparrow-2.2.3.zip</a>                     |
| Linux (Intel/AMD) (Ubuntu/Debian) | <a href="#">sparrowwallet-2.2.3-1-amd64.deb</a>       |
| Linux (Intel/AMD) (Redhat/CentOS) | <a href="#">sparrowwallet-2.2.3-1.x86_64.rpm</a>      |
| Linux (Intel/AMD) Standalone      | <a href="#">sparrowwallet-2.2.3-x86_64.tar.gz</a>     |
| Linux (ARM64) (Ubuntu/Debian)     | <a href="#">sparrowwallet-2.2.3-1-arm64.deb</a>       |
| Linux (ARM64) (Redhat/CentOS)     | <a href="#">sparrowwallet-2.2.3-1.aarch64.rpm</a>     |
| Linux (ARM64) Standalone          | <a href="#">sparrowwallet-2.2.3-aarch64.tar.gz</a>    |
| <b>Manifest Signature</b>         | <b><a href="#">sparrow-2.2.3-manifest.txt.asc</a></b> |
| <b>Manifest</b>                   | <b><a href="#">sparrow-2.2.3-manifest.txt</a></b>     |

**SCARICARE ANCHE QUESTI**

**Sparrow Server**  
Sparrow Server builds are intended for systems without displays (headless platforms). Note the .deb and .rpm packages install to /opt/sparrowserver.



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- **Manifest:** [sparrow-2.2.3-manifest.txt](#)
- Your install file from the list above


Drag and drop any of these files onto Sparrow, and the Verify Download dialog will open and verify your download. You can also open the Verify Download dialog from the Tools menu.

Signed By: Craig Raw <craig@sparrowwallet.com> on Mon Jun 9 16:20:46 2025 SAST

Release Hash: Matched manifest hash

Verified: Ready to install [Sparrow-2.2.3-aarch64.dmg](#)

SEGUIRE LE ISTRUZIONI SEGUENTI  
FARE COPIA E INCOLLA DEI COMANDI NEL  
TERMINALE



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## Earlier releases

With earlier versions of Sparrow, you'll need to have gpg or gpg2 installed on your system (see here for [macOS](#) or [Windows](#), on Linux it's preinstalled). Once you've installed gpg, you'll need to use the command line. You can do this by opening Terminal.app in macOS, or Start > Run > `cmd` in Windows.

First, import the keys that have signed this release (if you haven't done so already, or if a previously imported key has expired):

1

```
curl https://keybase.io/craigraw/pgp_keys.asc | gpg --import
```

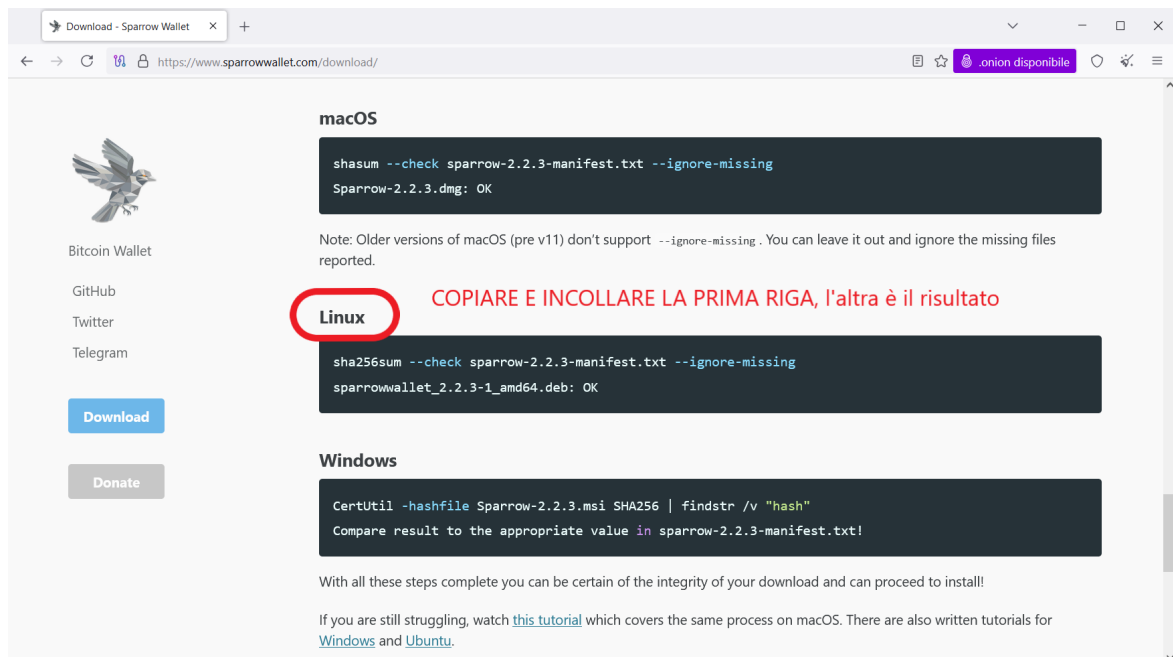
Once you have the required PGP keys, you can verify the release. Download `sparrow-2.2.3-manifest.txt` and `sparrow-2.2.3-manifest.txt.asc` from the table above to the same directory (for example, your Downloads directory). Then verify the manifest file with:

2

```
cd Downloads
gpg --verify sparrow-2.2.3-manifest.txt.asc
```

You should see the following if the verification was successful (your timezone may differ):

```
gpg: assuming signed data in 'sparrow-2.2.3-manifest.txt'
gpg: Signature made Mon Jun  9 16:20:46 2025 SAST
gpg:                using RSA key D4D0D3202FC06849A257B38DE94618334C674840
gpg: Good signature from "Craig Raw <craig@sparrowwallet.com>" [unknown]
```



Download - Sparrow Wallet

https://www.sparrowwallet.com/download/

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### macOS

```
shasum --check sparrow-2.2.3-manifest.txt --ignore-missing
Sparrow-2.2.3.dmg: OK
```

Note: Older versions of macOS (pre v11) don't support `--ignore-missing`. You can leave it out and ignore the missing files reported.

### Linux

COPIARE E INCOLLARE LA PRIMA RIGA, l'altra è il risultato

```
sha256sum --check sparrow-2.2.3-manifest.txt --ignore-missing
sparrowwallet_2.2.3-1_amd64.deb: OK
```

### Windows

```
CertUtil -hashfile Sparrow-2.2.3.msi SHA256 | findstr /v "hash"
Compare result to the appropriate value in sparrow-2.2.3-manifest.txt!
```

With all these steps complete you can be certain of the integrity of your download and can proceed to install!

If you are still struggling, watch [this tutorial](#) which covers the same process on macOS. There are also written tutorials for [Windows](#) and [Ubuntu](#).

**UNA VOLTA VERIFICATI GLI HASH** si potrà lanciare il programma dalla pagina Downloads (Windows) o Scaricati (Linux). Procedere quindi con la configurazione.