

## Practica 3 - Esteganografía

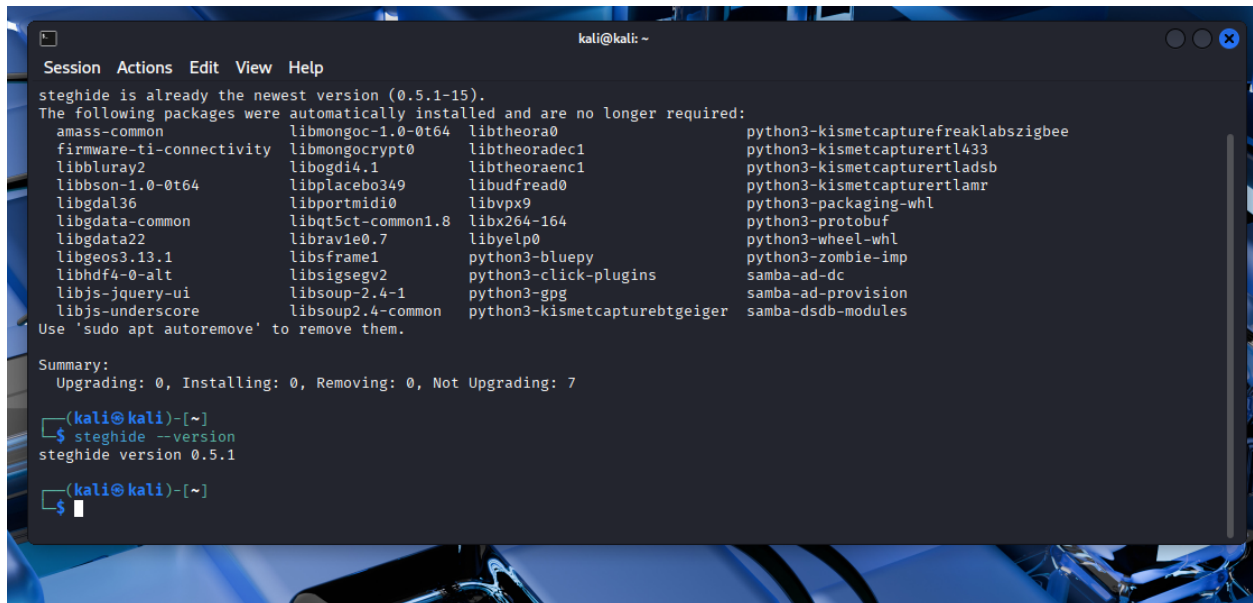
Fácil con Steghide en Kali Linux | Protege tus Datos de Forma Secreta y Segura

Debes haber instalado y actualizado los repositorios de kali linux

descargar la herramienta steghide herramienta para la esteganografía

```
sudo apt install steghide
```

```
steghide --version
```



A terminal window titled 'kali@kali: ~' showing the output of the 'steghide --version' command. The output indicates that steghide version 0.5.1 is already installed. Below this, a list of packages that were automatically installed and are no longer required is displayed. The packages are listed in three columns. The first column includes amass-common, firmware-ti-connectivity, libbluray2, libbson-1.0-0t64, libgdal36, libgdata-common, libgdata22, libgeos3.13.1, libhdf4-0-alt, libjs-jquery-ui, libjs-underscore, and libjs-underscore. The second column includes libmongoc-1.0-0t64, libmongocrypt0, libogdi4.1, libplacebo349, libportmidi0, libqt5ct-common1.8, libravie0.7, librsframe1, libsigsegv2, libsoup-2.4-1, and libsoup2.4-common. The third column includes libtheora0, libtheoraec1, libtheoraenc1, libudfread0, libvpx9, libx264-164, libyelp0, python3-bluepy, python3-click-plugins, python3-gpg, python3-kismetcapturebtgeiger, python3-kismetcapturefreaklabszigbee, python3-kismetcapturertl433, python3-kismetcapturertladsb, python3-kismetcapturertlamr, python3-packaging-whl, python3-protobuf, python3-wheel-whl, python3-zombie-imp, samba-ad-dc, samba-ad-provision, and samba-dsdb-modules. The summary shows 7 packages not upgrading. The terminal prompt is '(kali@kali)-[~]' and the command 'steghide --version' is entered, resulting in 'steghide version 0.5.1'.

```
kali@kali: ~
Session Actions Edit View Help
steghide is already the newest version (0.5.1-15).
The following packages were automatically installed and are no longer required:
amass-common      libmongoc-1.0-0t64  libtheora0        python3-kismetcapturefreaklabszigbee
firmware-ti-connectivity  libmongocrypt0    libtheoraec1     python3-kismetcapturertl433
libbluray2        libogdi4.1         libtheoraenc1    python3-kismetcapturertladsb
libbson-1.0-0t64  libplacebo349      libudfread0      python3-kismetcapturertlamr
libgdal36         libportmidi0       libvpx9          python3-packaging-whl
libgdata-common   libqt5ct-common1.8 libx264-164      python3-protobuf
libgdata22        libravie0.7        libyelp0         python3-wheel-whl
libgeos3.13.1     librsframe1        python3-bluepy   python3-zombie-imp
libhdf4-0-alt     libsigsegv2        python3-click-plugins  samba-ad-dc
libjs-jquery-ui   libsoup-2.4-1      python3-gpg      samba-ad-provision
libjs-underscore  libsoup2.4-common  python3-kismetcapturebtgeiger  samba-dsdb-modules
Use 'sudo apt autoremove' to remove them.

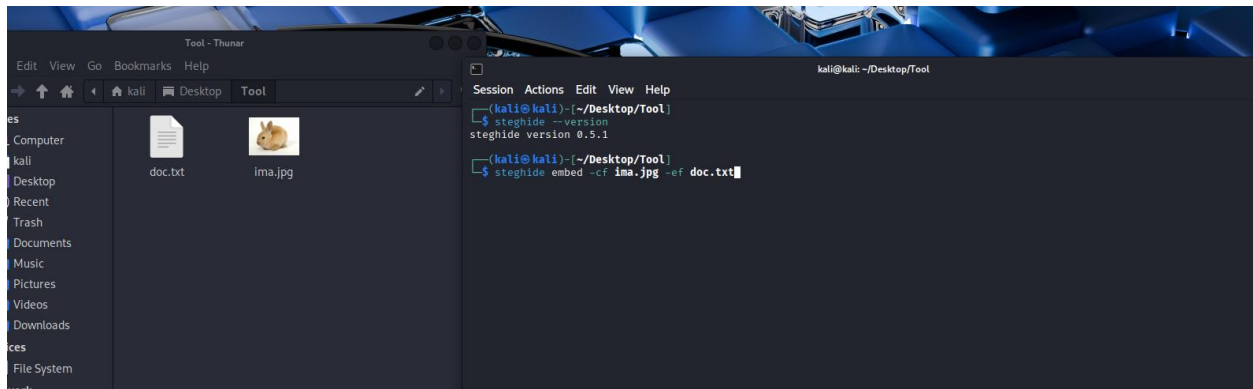
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 7

(kali@kali)-[~]
$ steghide --version
steghide version 0.5.1

(kali@kali)-[~]
$
```

Se descarga la imagen y se crea el archivo a ocultar

```
steghide embed -cf ima.jpg -ef doc.txt
```



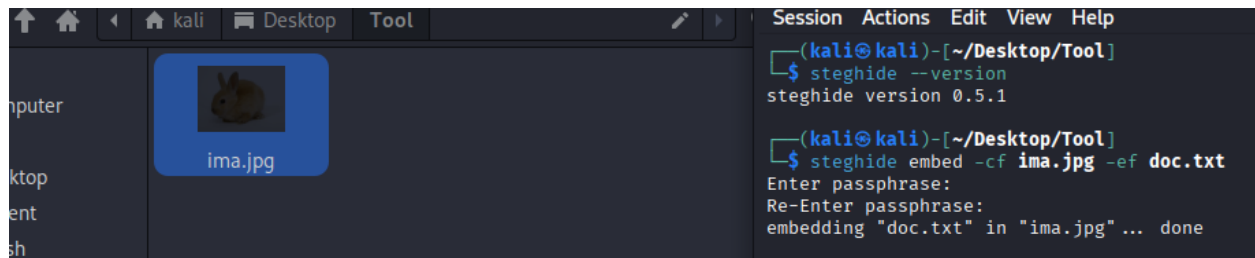
A terminal window titled 'kali@kali: ~/Desktop/Tool' showing the output of the 'steghide embed -cf ima.jpg -ef doc.txt' command. The output indicates that steghide version 0.5.1 is already installed. The terminal prompt is '(kali@kali)-[~/Desktop/Tool]' and the command 'steghide embed -cf ima.jpg -ef doc.txt' is entered, resulting in 'steghide version 0.5.1'.

```
kali@kali: ~/Desktop/Tool
Session Actions Edit View Help
(kali@kali)-[~/Desktop/Tool]
$ steghide --version
steghide version 0.5.1

(kali@kali)-[~/Desktop/Tool]
$ steghide embed -cf ima.jpg -ef doc.txt

(kali@kali)-[~/Desktop/Tool]
$
```

Borramos el archive



extraer la información de la imagen con este comando

`steghide extract -sf ima.jpg`

