

```
Ubuntu Server (golden updated-apache2) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

-ef <filename>          embed the file <filename>
-cf, --coverfile        select cover-file
-cf <filename>          embed into the file <filename>
-p, --passphrase        specify passphrase
-p <passphrase>         use <passphrase> to embed data
-sf, --stegofile        select stego file
-sf <filename>          write result to <filename> instead of cover-file
-e, --encryption        select encryption parameters
-e <a>[<m>][<m>[<a>]]    specify an encryption algorithm and/or mode
-e none                 do not encrypt data before embedding
-z, --compress          compress data before embedding (default)
-z <l>                  using level <l> (1 best speed...9 best compression)
-Z, --dontcompress     do not compress data before embedding
-K, --nochecksum        do not embed crc32 checksum of embedded data
-N, --dontembedname     do not embed the name of the original file
-f, --force             overwrite existing files
-q, --quiet             suppress information messages
-v, --verbose           display detailed information

extracting options:
-sf, --stegofile        select stego file
-sf <filename>          extract data from <filename>
-p, --passphrase        specify passphrase
-p <passphrase>         use <passphrase> to extract data
-xf, --extractfile      select file name for extracted data
-xf <filename>          write the extracted data to <filename>
-f, --force             overwrite existing files
-q, --quiet             suppress information messages
-v, --verbose           display detailed information

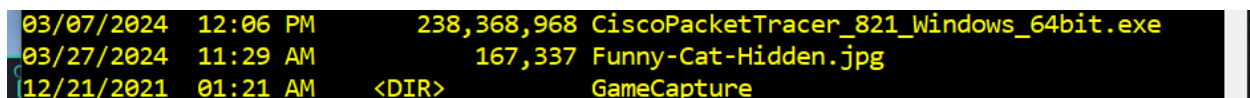
options for the info command:
-p, --passphrase        specify passphrase
-p <passphrase>         use <passphrase> to get info about embedded data

To embed emb.txt in cvr.jpg: steghide embed -cf cvr.jpg -ef emb.txt
To extract embedded data from stg.jpg: steghide extract -sf stg.jpg
scotty@ubuntu:~$
```

I went and downloaded STEGHIDE onto my Linus System using

Sudo apt-get install steghide -y

Then checked to make sure it was installed and updated using command **Steghide**



```
03/07/2024 12:06 PM          238,368,968 CiscoPacketTracer_821_Windows_64bit.exe
03/27/2024 11:29 AM          167,337 Funny-Cat-Hidden.jpg
12/21/2021 01:21 AM           20,480 GameCapture
```

Downloaded the CAT jpg file from Ajay GitHub.

Checked to make sure I could find the file using DIR in my windows CMD.

Then continued to SCP to my Linux system using (**scp Funny-Cat-Hidden.jpg scotty@10.0.0.161:**)

```
scotty@ubuntu:~$ ls
authy.log          log1.txt  passwords2.txt  passwords.txt  windows_activity_logs2.txt
Funny-Cat-Hidden.jpg log2.txt  passwords3.txt  secret.txt     windows_activity_logs.txt
scotty@ubuntu:~$
```

Checking on the Linux system I made sure it was successful using LS.

Now that everything is set up, I must extract the secret message using (Steghide [action] [option] [file])

Steghide extract -sf Funny-Cat-Hidden.jpg

Oh NO!!! upon doing this there was a passphrase needed to extract this!!!

Passphrase being (hello)

```
scotty@ubuntu:~$ steghide extract -sf Funny-Cat-Hidden.jpg
Enter passphrase:
the file "secret.txt" does already exist. overwrite ? (y/n) _
```

I am now able to see the secret message. **SECRET.TXT**

I love donuts