Topic:-Steganography

Steganography

Steganography involves hiding information within another file, such as an image or audio file, without significantly altering its appearance or properties. Below is a practical guide to performing steganography in Kali Linux using **Steghide**.

1. Steganography with Steghide

Step 1: Install Steghide

If not already installed, install Steghide:

sudo apt install steghide [generated error first update the files: sudo apt-get update -y]

Step 2: Create a Hidden Message

```
(kali@ kali)-[~]
$ echo " This is my hidden message" > secret.txt
```

- > cat secret.txt
- ➤ Is

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Step 3: Hide the Message

```
(kali@ kali)-[~]
$ steghide embed -cf secretimg.jpg -ef secret.txt
Enter passphrase:
Re-Enter passphrase:
embedding "secret.txt" in "secretimg.jpg" ... done
```

[note password:12345]

Step 4: remove the secret.txt file

> Is

```
| Car | Car
```

Step 5: Information about image with secret message mapped

```
(kali⊕ kali)-[~]
$ steghide --info secretimg.jpg
"secretimg.jpg":
  format: jpeg
   capacity: 632.0 Byte
Try to get information about embedded data ? (y/n) y
Enter passphrase:
  embedded file "secret.txt":
    size: 27.0 Byte
   encrypted: rijndael-128, cbc
   compressed: yes
```

Step 6: Extract the Hidden Message

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Step 7: secret.txt file extract behind the hidden message



Step 8: See the secret message file

```
(kali⊕ kali)-[~]

$ cat secret.txt

This is my hidden message
```