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Network Security Lab 15

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Network Security Lab 15

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1. Created Text file and downloaded picture of cat.

TextFile

```
david@yogata:~/Desktop/571s/lab15$ steghide embed -ef david.txt -cf cat.jpeg
Enter passphrase:
Re-Enter passphrase:
embedding "david.txt" in "cat.jpeg"... done
david@yogata:~/Desktop/571s/lab15$ cat david.txt
David Ayeke
david@yogata:~/Desktop/571s/lab15$
```

Cat



2. Hide the text file.

```
david@yogata:~/Desktop/571s/lab15$ steghide embed -ef david.txt -cf cat.jpeg
```

3. Retrieved the text.

```
david@yogata:~/Desktop/571s/lab15$ mkdir test
david@yogata:~/Desktop/571s/lab15$ cp cat.jpeg test/
david@yogata:~/Desktop/571s/lab15$ cd test/
david@yogata:~/Desktop/571s/lab15/test$ steghide extract -sf cat.jpeg -xf david.txt
Enter passphrase:
wrote extracted data to "david.txt".
david@yogata:~/Desktop/571s/lab15/test$ cat david.txt
David Ayeke
david@yogata:~/Desktop/571s/lab15/test$
```

Screenshot

```

david@yogata: ~/Desktop/571s/lab15/test
david@yogata:~/Desktop/571s$ ls
hw12 hw13 lab1 lab10 lab11 lab112 lab12 lab13 lab15 lab2
david@yogata:~/Desktop/571s$ cd lab15
david@yogata:~/Desktop/571s/lab15$ ls
cat.jpeg david.txt lab15.md
david@yogata:~/Desktop/571s/lab15$ cat david.txt
David Ayeke
david@yogata:~/Desktop/571s/lab15$ mkdir test
david@yogata:~/Desktop/571s/lab15$ cp cat.jpeg test/
david@yogata:~/Desktop/571s/lab15$ cd test/
david@yogata:~/Desktop/571s/lab15/test$ steghide extract -sf cat.jpeg -xf david.
txt
Enter passphrase:
wrote extracted data to "david.txt".
david@yogata:~/Desktop/571s/lab15/test$ cat david.txt
david@yogata:~/Desktop/571s/lab15/test$ cd ..
david@yogata:~/Desktop/571s/lab15$ steghide embed -ef david.txt -cf cat.jpeg
Enter passphrase:
Re-Enter passphrase:
embedding "david.txt" in "cat.jpeg"... done
david@yogata:~/Desktop/571s/lab15$ cat david.txt
David Ayeke
david@yogata:~/Desktop/571s/lab15$ cd test/
david@yogata:~/Desktop/571s/lab15/test$ cd ..
david@yogata:~/Desktop/571s/lab15$ rm -r test/
david@yogata:~/Desktop/571s/lab15$ mkdir test
david@yogata:~/Desktop/571s/lab15$ cp cat.jpeg test/
david@yogata:~/Desktop/571s/lab15$ cd test/
david@yogata:~/Desktop/571s/lab15/test$ steghide extract -sf cat.jpeg -xf david.
txt
Enter passphrase:
wrote extracted data to "david.txt".
david@yogata:~/Desktop/571s/lab15/test$ cat david.txt
David Ayeke
david@yogata:~/Desktop/571s/lab15/test$
```